



Docket No.: PF-0509 USN

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By: Margaret M. Hasson Printed: Margaret M. Hasson

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: Hillman et al.

Title: HUMAN TRANSCRIPTIONAL REGULATOR MOLECULES

Serial No.: 09/674,743 Filing Date: January 16, 2002

Examiner: To Be Assigned Group Art Unit: To Be Assigned

Box PCT

Commissioner for Patents, PO Box 2327
Arlington, VA 22202

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**SECOND SUBSTITUTE SUBMISSION
UNDER 37 CFR §1.821- 1.825 SEQUENCE LISTING**

TC 1700

Sir:

In accordance with the requirements of 37 CFR § 1.821-1.825, Applicants hereby submit one (1) substitute diskette containing the computer-readable information for the Substitute Sequence Listing of the above-identified application. The diskette complies with the requirements of 37 CFR § 1.824 and is IBM PC compatible using a Windows NT Operating System with WordPerfect software and saved in ASCII text format.

Enclosed is a paper copy of the Substitute Sequence Listing.

The content of the Substitute Sequence Listing paper copy is identical to the computer-readable copy, as required under 37 CFR § 1.821(f). This submission contains no new matter.

Respectfully submitted,

INCYTE GENOMICS, INC.

Diana Hamlet-Cox

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96657

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LAL, Preeti
YUE, Henry
REDDY, Roopa
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BAUGHN, Mariah R.
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LU, Dyung Aina M.

<120> Human Transcriptional Regulator Molecules

<130> PF-0509 USN

<140> 09/674,743
<141> 2002-01-16

<150> PCT/US99/09935
<151> 1999-05-04

<150> 60/084,254
<151> 1998-05-04

<150> 60/095,827
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20 25 30
Pro Ala Gly Arg Pro Cys Ser Gly Arg Thr Arg His Arg Ala Leu
35 40 45
His Arg Arg Leu Val Ala Cys Val Thr Val Ser Ser Arg Arg His
50 55 60
Arg Lys Glu Ala Gly Arg Gly Arg Ala Glu Ser Phe Ile Ala Val
65 70 75

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Gly	Met	Ala	Ala	Pro	Ser	Met	Lys	Glu	Arg	Gln	Val	Cys	Trp	Gly
80						85							90	
Ala	Arg	Asp	Glu	Tyr	Trp	Lys	Cys	Leu	Asp	Glu	Asn	Leu	Glu	Asp
95						100							105	
Ala	Ser	Gln	Cys	Lys	Lys	Leu	Arg	Ser	Ser	Phe	Glu	Ser	Ser	Cys
110						115							120	
Pro	Gln	Gln	Trp	Ile	Lys	Tyr	Phe	Asp	Lys	Arg	Arg	Asp	Tyr	Leu
125						130							135	
Lys	Phe	Lys	Glu	Lys	Phe	Glu	Ala	Gly	Gln	Phe	Glu	Pro	Ser	Glu
140						145							150	
Thr	Thr	Ala	Lys	Ser										
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Leu	Leu	Val	Tyr	Asp	Met	Asn	Leu	Arg	Glu	Met	Glu	Asn	Tyr	Glu
					20				25				30	
Lys	Ile	Tyr	Lys	Glu	Ile	Glu	Cys	Ser	Ile	Ala	Gly	Ala	His	Glu
					35				40				45	
Lys	Ile	Ala	Glu	Cys	Lys	Gln	Ile	Leu	Gln	Ala	Lys	Arg	Ile	
					50				55				60	
Arg	Lys	Asn	Arg	Gln	Glu	Tyr	Asp	Ala	Leu	Ala	Lys	Val	Ile	Gln
					65				70				75	
His	His	Pro	Asp	Arg	His	Glu	Thr	Leu	Lys	Glu	Leu	Glu	Ala	Leu
					80				85				90	
Gly	Lys	Glu	Leu	Glu	His	Leu	Ser	His	Ile	Lys	Glu	Ser	Val	Glu
					95				100				105	
Asp	Lys	Leu	Glu	Leu	Arg	Arg	Lys	Gln	Phe	His	Val	Leu	Leu	Ser
					110				115				120	
Thr	Ile	His	Glu	Leu	Gln	Gln	Thr	Leu	Glu	Asn	Asp	Glu	Lys	Leu
					125				130				135	
Ser	Glu	Val	Glu	Glu	Ala	Gln	Glu	Ala	Ser	Met	Glu	Thr	Asp	Pro
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Lys	Pro													

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														30
20														
Pro	Lys	Leu	Pro	Glu	Tyr	Ile	Cys	Pro	Arg	Cys	Glu	Ser	Gly	Phe
														45
35														
Ile	Glu	Glu	Val	Thr	Asp	Asp	Ser	Ser	Phe	Leu	Gly	Gly	Gly	
														60
50														
Ser	Arg	Ile	Asp	Asn	Thr	Thr	Thr	Thr	His	Phe	Ala	Glu	Leu	Trp
														75
65														
Gly	His	Leu	Asp	His	Thr	Met	Phe	Phe	Gln	Asp	Phe	Arg	Pro	Phe
														90
80														
Leu	Ser	Ser	Ser	Pro	Leu	Asp	Gln	Asp	Asn	Arg	Ala	Asn	Glu	Arg
														105
95														
Gly	His	Gln	Thr	His	Thr	Asp	Phe	Trp	Gly	Ala	Arg	Pro	Pro	Arg
														120
110														
Leu	Pro	Leu	Gly	Arg	Arg	Tyr	Arg	Ser	Arg	Gly	Ser	Ser	Arg	Pro
														135
125														
Asp	Arg	Ser	Pro	Ala	Ile	Glu	Gly	Ile	Leu	Gln	His	Ile	Phe	Ala
														150
140														
Gly	Phe	Phe	Ala	Asn	Ser	Ala	Ile	Pro	Gly	Ser	Pro	His	Pro	Phe
														165
155														
Ser	Trp	Ser	Gly	Met	Leu	His	Ser	Asn	Pro	Gly	Asp	Tyr	Ala	Trp
														180
170														
Gly	Gln	Thr	Gly	Leu	Asp	Ala	Ile	Val	Thr	Gln	Leu	Leu	Gly	Gln
														195
185														
Leu	Glu	Asn	Thr	Gly	Pro	Pro	Pro	Ala	Asp	Lys	Glu	Lys	Ile	Thr
														210
200														
Ser	Leu	Pro	Thr	Val	Thr	Val	Thr	Gln	Glu	Gln	Val	Asp	Met	Gly
														225
215														
Leu	Glu	Cys	Pro	Val	Cys	Lys	Glu	Asp	Tyr	Thr	Val	Glu	Glu	
														240
230														
Val	Arg	Gln	Leu	Pro	Cys	Asn	His	Phe	Phe	His	Ser	Ser	Cys	Ile
														255
245														
Val	Pro	Trp	Leu	Glu	Leu	His	Asp	Thr	Cys	Pro	Val	Cys	Arg	Lys
														270
260														
Ser	Leu	Asn	Gly	Glu	Asp	Ser	Thr	Arg	Gln	Ser	Gln	Ser	Thr	Glu
														285
275														
Ala	Ser	Ala	Ser	Asn	Arg	Phe	Ser	Asn	Asp	Ser	Gln	Leu	His	Asp
														300
290														
Arg	Trp	Thr	Phe											

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Ser Val Asn Arg Lys Arg Leu Asn Arg Asn Ala Arg Arg Lys Ala
20 25 30
Ala Pro Arg Ile Glu Cys Ser His Ile Arg His Ala Trp Asp His
35 40 45
Ala Lys Ser Val Arg Gln Asn Leu Ala Glu Met Gly Leu Ala Val
50 55 60
Asp Pro Asn Arg Ala Val Pro Leu Arg Lys Arg Lys Val Lys Ala
65 70 75
Met Glu Val Asp Ile Glu Glu Arg Pro Lys Glu Leu Val Arg Lys
80 85 90
Pro Tyr Val Leu Asn Asp Leu Glu Ala Glu Ala Ser Leu Pro Glu
95 100 105
Lys Lys Gly Asn Thr Leu Ser Arg Asp Leu Ile Asp Tyr Val Arg
110 115 120
Tyr Met Val Glu Asn His Gly Glu Asp Tyr Lys Ala Met Ala Arg
125 130 135
Asp Glu Lys Asn Tyr Tyr Gln Asp Thr Pro Lys Gln Ile Arg Ser
140 145 150
Lys Ile Asn Val Tyr Lys Arg Phe Tyr Pro Ala Glu Trp Gln Asp
155 160 165
Phe Leu Asp Ser Leu Gln Lys Arg Lys Met Glu Val Glu
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Val Gly Ala Trp Leu Lys Leu Gly Asn Gly Gln Ala Thr Ser Met
20 25 30
Val Gln Leu Gln Gly Gly Arg Phe Leu Met Gly Thr Asn Ser Pro
35 40 45
Asp Ser Arg Asp Gly Glu Gly Pro Val Arg Glu Ala Thr Val Lys
50 55 60
Pro Phe Ala Ile Asp Ile Phe Pro Val Thr Asn Lys Asp Phe Arg
65 70 75
Asp Phe Val Arg Glu Lys Lys Tyr Arg Thr Glu Ala Glu Met Phe
80 85 90
Gly Trp Ser Phe Val Phe Glu Asp Phe Val Ser Asp Glu Leu Arg
95 100 105
Asn Lys Ala Thr Gln Pro Met Lys Ser Val Leu Trp Trp Leu Pro
110 115 120
Val Glu Lys Ala Phe Trp Arg Gln Pro Ala Gly Pro Gly Ser Gly
125 130 135
Ile Arg Glu Arg Leu Glu His Pro Val Leu His Val Ser Trp Asn

140	145	150
Asp Ala Arg Ala	Tyr Cys Ala Trp Arg	Gly Lys Arg Leu Pro Thr
155	160	165
Glu Glu Glu Trp	Glu Phe Ala Ala Arg	Gly Gly Leu Lys Gly Gln
170	175	180
Val Tyr Pro Trp	Gly Asn Trp Phe Gln	Pro Asn Arg Thr Asn Leu
185	190	195
Trp Gln Gly Lys	Phe Pro Lys Gly Asp	Lys Ala Glu Asp Gly Phe
200	205	210
His Gly Val Ser	Pro Val Asn Ala Phe	Pro Ala Gln Asn Asn Tyr
215	220	225
Gly Leu Tyr Asp	Leu Leu Gly Asn Val	Trp Glu Trp Thr Ala Ser
230	235	240
Pro Tyr Gln Ala	Ala Glu Gln Asp Met	Arg Val Leu Arg Gly Ala
245	250	255
Ser Trp Ile Asp	Thr Ala Asp Gly Ser	Ala Asn His Arg Ala Arg
260	265	270
Val Thr Thr Arg	Met Gly Asn Thr Pro	Asp Ser Ala Ser Asp Asn
275	280	285
Leu Gly Phe Arg	Cys Ala Ala Asp Ala	Gly Arg Pro Pro Gly Glu
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20	25	30	
Asn Ser Pro Leu Cys Pro Asn Trp	Gln Val Phe Pro Leu Val	Arg	
35	40	45	
Pro His Arg Gln Ser Arg Gln	Leu Gln Val Pro Glu Pro Ile	Gln	
50	55	60	
Ala Gly Gly Pro Ser Cys Gly His	His Ser Pro Trp Arg Leu	Phe	
65	70	75	
Leu Pro Gln Arg Lys Ser Gln Val	Ser Arg Gly Gly Arg Leu	Ala	
80	85	90	
Cys Leu Leu Ser Tyr Ala Gly Leu	Ser Gly Asp Asp Pro Asp	Leu	
95	100	105	
Gly Pro Ala His Val Val	Thr Val Ile Ala Arg Gln Arg	Gly Asp	
110	115	120	
Gln Leu Val Pro Phe Ser Thr	Lys Ser Gly Asp Thr Leu	Leu	
125	130	135	
Leu His His Gly Asp Phe Ser Ala	Glu Glu Val Phe His Arg	Glu	
140	145	150	

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Leu	Arg	Ser	Asn	Ser	Met	Lys	Thr	Trp	Gly	Leu	Arg	Ala	Ala	Gly
155									160					165
Trp	Met	Ala	Met	Phe	Met	Gly	Leu	Asn	Leu	Met	Thr	Arg	Ile	Leu
	170								175					180
Tyr	Thr	Leu	Val	Asp	Trp	Phe	Pro	Val	Phe	Arg	Asp	Leu	Val	Asn
	185								190					195
Ile	Gly	Leu	Lys	Ala	Phe	Ala	Phe	Cys	Val	Ala	Thr	Ser	Leu	Thr
	200								205					210
Leu	Leu	Thr	Val	Ala	Ala	Gly	Trp	Leu	Phe	Tyr	Arg	Pro	Leu	Trp
	215								220					225
Ala	Leu	Leu	Ile	Ala	Gly	Leu	Ala	Leu	Val	Pro	Ile	Leu	Val	Ala
	230								235					240
Arg	Thr	Arg	Val	Pro	Ala	Lys	Lys	Leu	Glu					
	245								250					

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Leu	Leu	Glu	Glu	Ser	Gly	Asp	Leu	Gly	Thr	Ala	Pro	Asp	Glu	Ala
					20				25					30
Val	Arg	Ala	Pro	Leu	Asp	Trp	Ala	Leu	Pro	Leu	Ser	Glu	Val	Pro
					35				40					45
Ser	Asp	Trp	Glu	Val	Asp	Asp	Leu	Leu	Cys	Ser	Leu	Leu	Ser	Pro
					50				55					60
Pro	Ala	Ser	Leu	Asn	Ile	Leu	Ser	Ser	Ser	Asn	Pro	Cys	Leu	Val
					65				70					75
His	His	Asp	His	Thr	Tyr	Ser	Leu	Pro	Arg	Glu	Thr	Val	Ser	Met
					80				85					90
Asp	Leu	Glu	Ser	Glu	Ser	Cys	Arg	Lys	Glu	Gly	Thr	Gln	Met	Thr
						95			100					105
Pro	Gln	His	Met	Glu	Glu	Leu	Ala	Glu	Gln	Glu	Ile	Ala	Arg	Leu
					110				115					120
Val	Leu	Thr	Asp	Glu	Glu	Lys	Ser	Leu	Leu	Glu	Lys	Glu	Gly	Leu
					125				130					135
Ile	Leu	Pro	Glu	Thr	Leu	Pro	Leu	Thr	Lys	Thr	Glu	Glu	Gln	Ile
					140				145					150
Leu	Lys	Arg	Val	Arg	Arg	Lys	Ile	Arg	Asn	Lys	Arg	Ser	Ala	Gln
					155				160					165
Glu	Ser	Arg	Arg	Lys	Lys	Lys	Val	Tyr	Val	Gly	Gly	Leu	Glu	Ser
					170				175					180
Arg	Val	Leu	Lys	Tyr	Thr	Ala	Gln	Asn	Met	Glu	Leu	Gln	Asn	Lys
					185				190					195
Val	Gln	Leu	Leu	Glu	Glu	Gln	Asn	Leu	Ser	Leu	Leu	Asp	Gln	Leu
					200				205					210
Arg	Lys	Leu	Gln	Ala	Met	Val	Ile	Glu	Ile	Ser	Asn	Lys	Thr	Ser

215	220	225
Ser Ser Ser Thr Cys Ile Leu Val Leu	Leu Val Ser Phe Cys	Leu
230	235	240
Leu Leu Val Pro Ala Met Tyr Ser Ser	Asp Thr Arg Gly Ser	Leu
245	250	255
Pro Ala Glu His Gly Val Leu Ser Arg	Gln Leu Arg Ala Leu	Pro
260	265	270
Ser Glu Asp Pro Tyr Gln Leu Glu Leu	Pro Ala Leu Gln Ser	Glu
275	280	285
Val Pro Lys Asp Ser Thr His Gln Trp	Leu Asp Gly Ser Asp	Cys
290	295	300
Val Leu Gln Ala Pro Gly Asn Thr Ser	Cys Leu Leu His Tyr	Met
305	310	315
Pro Gln Ala Pro Ser Ala Glu Pro Pro	Leu Glu Trp Pro Phe	Pro
320	325	330
Asp Leu Phe Ser Glu Pro Leu Cys Arg	Gly Pro Ile Leu Pro	Leu
335	340	345
Gln Ala Asn Leu Thr Arg Lys Gly Gly	Trp Leu Pro Thr Gly	Ser
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Pro Ser Val Ile Leu Gln Asp Arg Tyr	Ser Gly	
365	370	

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20	25	30
Phe His Leu Asn Thr Leu Lys Glu Ser Lys Ser Leu Trp Asp Ser		
35	40	45
Ala Ser Gly Gly Val Val Ala Ile Asp Asn Lys Ile Glu Gln		
50	55	60
Ala Met Asp Leu Val Lys Ser His Leu Met Tyr Ala Val Arg Glu		
65	70	75
Glu Val Glu Val Leu Lys Glu Gln Ile Lys Glu Leu Val Glu Arg		
80	85	90
Asn Ser Leu Leu Glu Arg Glu Asn Ala Leu Leu Lys Ser Leu Ser		
95	100	105
Ser Asn Asp Gln Leu Ser Gln Leu Pro Thr Gln Gln Ala Asn Pro		
110	115	120
Gly Ser Thr Ser Gln Gln Gln Ala Val Ile Ala Gln Pro Pro Gln		
125	130	135
Pro Thr Gln Pro Pro Gln Gln Pro Asn Val Ser Ser Ala		
140	145	

<210> 9

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Glu	Val	Leu	Glu	Pro	Glu	Glu	Asp	Phe	Glu	Gln	Phe	Leu	Leu	Pro
					20				25					30
Val	Ile	Asn	Glu	Met	Arg	Glu	Asp	Ile	Ala	Ser	Leu	Thr	Arg	Glu
					35				40					45
His	Gly	Arg	Ala	Tyr	Leu	Arg	Asn	Arg	Ser	Lys	Leu	Trp	Glu	Met
					50				55					60
Asp	Asn	Met	Leu	Ile	Gln	Ile	Lys	Thr	Gln	Val	Glu	Ala	Ser	Glu
					65				70					75
Glu	Ser	Ala	Leu	Asn	His	Leu	Gln	Asn	Pro	Gly	Asp	Ala	Ala	Glu
					80				85					90
Gly	Arg	Ala	Ala	Lys	Arg	Cys	Glu	Lys	Ala	Glu	Glu	Lys	Ala	Lys
					95				100					105
Glu	Ile	Ala	Lys	Met	Ala	Glu	Met	Leu	Val	Glu	Leu	Val	Arg	Arg
					110				115					120
Ile	Glu	Lys	Ser	Glu	Ser	Ser								
					125									

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Ile	Glu	Glu	Asn	Glu	Asn	Ser	Gly	Lys	Phe	Leu	Arg	Arg	Tyr	Phe
					20				25					30
Ile	Leu	Asp	Thr	Arg	Glu	Asp	Ser	Phe	Val	Trp	Tyr	Met	Asp	Asn
					35				40					45
Pro	Gln	Asn	Leu	Pro	Ser	Gly	Ser	Ser	Arg	Val	Gly	Ala	Ile	Lys
					50				55					60
Leu	Thr	Tyr	Ile	Ser	Lys	Val	Ser	Asp	Ala	Thr	Lys	Leu	Arg	Pro
					65				70					75
Lys	Ala	Glu	Phe	Cys	Phe	Val	Met	Asn	Ala	Gly	Met	Arg	Lys	Tyr
					80				85					90
Phe	Leu	Gln	Ala	Asn	Asp	Gln	Gln	Asp	Leu	Val	Glu	Trp	Val	Asn
					95				100					105
Val	Leu	Asn	Lys	Ala	Ile	Lys	Ile	Thr	Val	Pro	Lys	Gln	Ser	Asp
					110				115					120

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Ser Gln Pro Asn Ser Asp Asn Leu Ser Arg His Gly Glu Cys Gly
125 130 135
Lys Lys Gln Val Ser Tyr Arg Thr Asp Ile Val Gly Gly Val Pro
140 145 150
Ile Ile Thr Pro Thr Gln Lys Glu Glu Val Asn Glu Cys Gly Glu
155 160 165
Ser Ile Asp Arg Asn Asn Leu Lys Arg Ser Gln Ser His Leu Pro
170 175 180
Tyr Phe Thr Pro Lys Pro Pro Gln Asp Ser Ala Val Ile Lys Ala
185 190 195
Gly Tyr Cys Val Lys Gln Gly Ala Val Met Lys Asn Trp Lys Arg
200 205 210
Arg Tyr Phe Gln Leu Asp Glu Asn Thr Ile Gly Tyr Phe Lys Ser
215 220 225
Glu Leu Glu Lys Glu Pro Leu Arg Val Ile Pro Leu Lys Glu Val
230 235 240
His Lys Val Gln Glu Cys Lys Gln Ser Asp Ile Met Met Arg Asp
245 250 255
Asn Leu Phe Glu Ile Val Thr Thr Ser Arg Thr Phe Tyr Val Gln
260 265 270
Ala Asp Ser Pro Glu Glu Met His Ser Trp Ile Lys Ala Val Ser
275 280 285
Gly Ala Ile Val Ala Gln Arg Gly Pro Gly Arg Ser Ala Ser Ser
290 295 300
Met Arg Gln Ala Arg Arg Leu Ser Asn Pro Cys Ile Gln Arg Ser
305 310 315
Ile Pro Pro Val Leu Gln Asn Pro Asn Thr Leu Ser Val Leu Pro
320 325 330
Thr Gln Pro Pro Pro Pro His Ile Pro Gln Pro Leu Ala Ala Thr
335 340 345
Leu Trp Ser Gln Pro Leu Pro Trp Arg Ser Glu Asp Phe Thr Ser
350 355 360
Leu Leu Pro Arg Ser Ser Gln Gly Thr Ser Arg Ser Arg Leu Ser
365 370 375
Leu Gln Glu Asn Gln Leu Pro Lys
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<212> PRT

<213> Homo sapiens

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<221> misc_feature

<223> Incyte ID No: 1850120CD1

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20 25 30
Leu Ala Val Glu Asp Thr Gly Gly Pro Ser Ala Ser Ala Gly Lys
35 40 45
Ala Glu Asp Glu Gly Glu Gly Arg Glu Glu Thr Glu Arg Glu

50	55	60
Gly Ser Gly Gly	Glu Glu Ala Gln	Gly Glu Val Pro Ser Ala
65	70	75
Gly Glu Glu Pro Ala Glu Glu Asp Ser	Glu Asp Trp Cys Val	Pro
80	85	90
Cys Ser Asp Glu Glu Val Glu Leu Pro	Ala Asp Gly Gln Pro	Trp
95	100	105
Met Pro Pro Pro Ser Glu Ile Gln Arg	Leu Tyr Glu Leu Leu	Ala
110	115	120
Ala His Gly Thr Leu Glu Leu Gln Ala	Glu Ile Leu Pro Arg	Arg
125	130	135
Pro Pro Thr Pro Glu Arg Gln Ser Glu	Glu Glu Arg Ser Asp	Glu
140	145	150
Glu Pro Glu Ala Lys Glu Glu Glu	Glu Lys Pro His Met	Pro
155	160	165
Thr Glu Phe Asp Phe Asp Asp Glu Pro	Val Thr Pro Lys Asp	Ser
170	175	180
Leu Ile Asp Arg Arg Arg Thr Pro Gly	Ser Ser Ala Arg Ser	Gln
185	190	195
Lys Arg Glu Ala Arg Leu Asp Lys Val	Leu Ser Asp Met Lys	Arg
200	205	210
His Lys Lys Leu Glu Glu Gln Ile Leu	Arg Thr Gly Arg Asp	Leu
215	220	225
Phe Ser Leu Asp Ser Glu Asp Pro Ser	Pro Ala Ser Pro Pro	Leu
230	235	240
Arg Ser Ser Gly Ser Ser Leu Phe Pro	Arg Gln Arg Lys Tyr	
245	250	

<210> 12

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<223> Incyte ID No: 1852290CD1

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Met Ala Leu Cys Ala Leu Thr Arg Ala	Leu Arg Ser Leu Asn	Leu	
1	5	10	15
Ala Pro Pro Thr Val Ala Ala Pro Ala	Pro Ser Leu Phe Pro	Ala	
20	25	30	
Ala Gln Met Met Asn Asn Gly	Leu Leu Gln Gln Pro	Ser Ala Leu	
35	40	45	
Met Leu Leu Pro Cys Arg Pro Val	Leu Thr Ser Val Ala	Leu Asn	
50	55	60	
Ala Asn Phe Val Ser Trp Lys Ser	Arg Thr Lys Tyr Thr	Ile Thr	
65	70	75	
Pro Val Lys Met Arg Lys Ser Gly	Gly Arg Asp His Thr	Gly Arg	
80	85	90	
Ile Arg Val His Gly Ile Gly Gly	His Lys Gln Arg Tyr	Arg	
95	100	105	
Met Ile Asp Phe Leu Arg Phe Arg	Pro Glu Glu Thr Lys Ser	Gly	
110	115	120	

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Pro Phe Glu Glu Lys Val Ile Gln Val Arg Tyr Asp Pro Cys Arg
125 130 135
Ser Ala Asp Ile Ala Leu Val Ala Gly Gly Ser Arg Lys Arg Trp
140 145 150
Ile Ile Ala Thr Glu Asn Met Gln Ala Gly Asp Thr Ile Leu Asn
155 160 165
Ser Asn His Ile Gly Arg Met Ala Val Ala Ala Arg Glu Gly Asp
170 175 180
Ala His Pro Leu Gly Ala Leu Pro Val Gly Thr Leu Ile Asn Asn
185 190 195
Val Glu Ser Glu Pro Gly Arg Gly Ala Gln Tyr Ile Arg Ala Ala
200 205 210
Gly Thr Cys Gly Val Leu Leu Arg Lys Val Asn Gly Thr Ala Ile
215 220 225
Ile Gln Leu Pro Ser Lys Arg Gln Met Gln Val Leu Glu Thr Cys
230 235 240
Val Ala Thr Val Gly Arg Val Ser Asn Val Asp His Asn Lys Arg
245 250 255
Val Ile Gly Lys Ala Gly Arg Asn Arg Trp Leu Gly Lys Arg Pro
260 265 270
Asn Ser Gly Arg Trp His Arg Lys Gly Gly Trp Ala Gly Arg Lys
275 280 285
Ile Arg Pro Leu Pro Pro Met Lys Ser Tyr Val Lys Leu Pro Ser
290 295 300
Ala Ser Ala Gln Ser
305

<210> 13

<211> 230

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 1944530CD1

<400> 13

Met Gly Gln Gln Ile Ser Asp Gln Thr Gln Leu Val Ile Asn Lys
1 5 10 15
Leu Pro Glu Lys Val Ala Lys His Val Thr Leu Val Arg Glu Ser
20 25 30
Gly Ser Leu Thr Tyr Glu Glu Phe Leu Gly Arg Val Ala Glu Leu
35 40 45
Asn Asp Val Thr Ala Lys Val Ala Ser Gly Gln Glu Lys His Leu
50 55 60
Leu Phe Glu Val Gln Pro Gly Ser Asp Ser Ser Ala Phe Trp Lys
65 70 75
Val Val Val Arg Val Val Cys Thr Lys Ile Asn Lys Ser Ser Gly
80 85 90
Ile Val Glu Ala Ser Arg Ile Met Asn Leu Tyr Gln Phe Ile Gln
95 100 105
Leu Tyr Lys Asp Ile Thr Ser Gln Ala Ala Gly Val Leu Ala Gln
110 115 120
Ser Ser Thr Ser Glu Glu Pro Asp Glu Asn Ser Ser Ser Val Thr

125	130	135
Ser Cys Gln Ala Ser Leu Trp Met Gly Arg Val Lys Gln Leu Thr		
140	145	150
Asp Glu Glu Glu Cys Cys Ile Cys Met Asp Gly Arg Ala Asp Leu		
155	160	165
Ile Leu Pro Cys Ala His Ser Phe Cys Gln Lys Cys Ile Asp Lys		
170	175	180
Trp Ser Asp Arg His Arg Asn Cys Pro Ile Cys Arg Leu Gln Met		
185	190	195
Thr Gly Ala Asn Glu Ser Trp Val Val Ser Asp Ala Pro Thr Glu		
200	205	210
Asp Asp Met Ala Asn Tyr Ile Leu Asn Met Ala Asp Glu Ala Gly		
215	220	225
Gln Pro His Arg Pro		
230		

<210> 14

<211> 292

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 2019742CD1

<400> 14

Met Ser Gly Met Glu Ala Thr Val Thr Ile Pro Ile Trp Gln Asn		
1	5	10
15		
Lys Pro His Gly Ala Ala Arg Ser Val Val Arg Arg Ile Gly Thr		
20	25	30
Asn Leu Pro Leu Lys Pro Cys Ala Arg Ala Ser Phe Glu Thr Leu		
35	40	45
Pro Asn Ile Ser Asp Leu Cys Leu Arg Asp Val Pro Pro Val Pro		
50	55	60
Thr Leu Ala Asp Ile Ala Trp Ile Ala Ala Asp Glu Glu Glu Thr		
65	70	75
Tyr Ala Arg Val Arg Ser Asp Thr Arg Pro Leu Arg His Thr Trp		
80	85	90
Lys Pro Ser Pro Leu Ile Val Met Gln Arg Asn Ala Ser Val Pro		
95	100	105
Asn Leu Arg Gly Ser Glu Glu Arg Leu Leu Ala Leu Lys Lys Pro		
110	115	120
Ala Leu Pro Ala Leu Ser Arg Thr Thr Glu Leu Gln Asp Glu Leu		
125	130	135
Ser His Leu Arg Ser Gln Ile Ala Lys Ile Val Ala Ala Asp Ala		
140	145	150
Ala Ser Ala Ser Leu Thr Pro Asp Phe Leu Ser Pro Gly Ser Ser		
155	160	165
Asn Val Ser Ser Pro Leu Pro Cys Phe Gly Ser Ser Phe His Ser		
170	175	180
Thr Thr Ser Phe Val Ile Ser Asp Ile Thr Glu Glu Thr Glu Val		
185	190	195
Glu Val Pro Glu Leu Pro Ser Val Pro Leu Leu Cys Ser Ala Ser		
200	205	210

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Pro Glu Cys Cys Lys Pro Glu His Lys Ala Ala Cys Ser Ser Ser
215 220 225
Glu Glu Asp Asp Cys Val Ser Leu Ser Lys Ala Ser Ser Phe Ala
230 235 240
Asp Met Met Gly Ile Leu Lys Asp Phe His Arg Met Lys Gln Ser
245 250 255
Gln Asp Leu Asn Arg Ser Leu Leu Lys Glu Glu Asp Pro Ala Val
260 265 270
Leu Ile Ser Glu Val Leu Arg Arg Lys Phe Ala Leu Lys Glu Glu
275 280 285
Asp Ile Ser Arg Lys Gly Asn
290

<210> 15

<211> 232

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 2056042CD1

<400> 15

Met Ala Ser Ser Ala Ala Ser Ser Glu His Phe Glu Lys Leu His
1 5 10 15
Glu Ile Phe Arg Gly Leu His Glu Asp Leu Gln Gly Val Pro Glu
20 25 30
Arg Leu Leu Gly Thr Ala Gly Thr Glu Glu Lys Lys Lys Leu Ile
35 40 45
Arg Asp Phe Asp Glu Lys Gln Gln Glu Ala Asn Glu Thr Leu Ala
50 55 60
Glu Met Glu Glu Glu Leu Arg Tyr Ala Pro Leu Ser Phe Arg Asn
65 70 75
Pro Met Met Ser Lys Leu Arg Asn Tyr Arg Lys Asp Leu Ala Lys
80 85 90
Leu His Arg Glu Val Arg Ser Thr Pro Leu Thr Ala Thr Pro Gly
95 100 105
Gly Arg Gly Asp Met Lys Tyr Gly Ile Tyr Ala Val Glu Asn Glu
110 115 120
His Met Asn Arg Leu Gln Ser Gln Arg Ala Met Leu Leu Gln Gly
125 130 135
Thr Glu Ser Leu Asn Arg Ala Thr Gln Ser Ile Glu Arg Ser His
140 145 150
Arg Ile Ala Thr Glu Thr Asp Gln Ile Gly Ser Glu Ile Ile Glu
155 160 165
Glu Leu Gly Glu Gln Arg Asp Gln Leu Glu Arg Thr Lys Ser Arg
170 175 180
Leu Val Asn Thr Ser Glu Asn Leu Ser Lys Ser Arg Lys Ile Leu
185 190 195
Arg Ser Met Ser Arg Lys Val Thr Thr Asn Lys Leu Leu Leu Ser
200 205 210
Ile Ile Ile Leu Leu Glu Leu Ala Ile Leu Gly Gly Leu Val Tyr
215 220 225
Tyr Lys Phe Phe Arg Ser His

<210> 16
 <211> 376
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte ID No: 2398682CD1

<400> 16

Met	Arg	Gly	Lys	Thr	Phe	Arg	Phe	Glu	Met	Gln	Arg	Asp	Leu	Val
1					5				10					15
Ser	Phe	Pro	Leu	Ser	Pro	Ala	Val	Arg	Val	Lys	Leu	Val	Ser	Ala
					20				25					30
Gly	Phe	Gln	Thr	Ala	Glu	Glu	Leu	Leu	Glu	Val	Lys	Pro	Ser	Glu
					35				40					45
Leu	Ser	Lys	Glu	Val	Gly	Ile	Ser	Lys	Ala	Glu	Ala	Leu	Glu	Thr
					50				55					60
Leu	Gln	Ile	Ile	Arg	Arg	Glu	Cys	Leu	Thr	Asn	Lys	Pro	Arg	Tyr
					65				70					75
Ala	Gly	Thr	Ser	Glu	Ser	His	Lys	Lys	Cys	Thr	Ala	Leu	Glu	Leu
					80				85					90
Leu	Glu	Gln	Glu	His	Thr	Gln	Gly	Phe	Ile	Ile	Thr	Phe	Cys	Ser
					95				100					105
Ala	Leu	Asp	Asp	Ile	Leu	Gly	Gly	Val	Pro	Leu	Met	Lys	Thr	
					110				115					120
Thr	Glu	Ile	Cys	Gly	Ala	Pro	Gly	Val	Gly	Lys	Thr	Gln	Leu	Cys
					125				130					135
Met	Gln	Leu	Ala	Val	Asp	Val	Gln	Ile	Pro	Glu	Cys	Phe	Gly	Gly
					140				145					150
Val	Ala	Gly	Glu	Ala	Val	Phe	Ile	Asp	Thr	Glu	Gly	Ser	Phe	Met
					155				160					165
Val	Asp	Arg	Val	Val	Asp	Leu	Ala	Thr	Ala	Cys	Ile	Gln	His	Leu
					170				175					180
Gln	Leu	Ile	Ala	Glu	Lys	His	Lys	Gly	Glu	Glu	His	Arg	Lys	Ala
					185				190					195
Leu	Glu	Asp	Phe	Thr	Leu	Asp	Asn	Ile	Leu	Ser	His	Ile	Tyr	Tyr
					200				205					210
Phe	Arg	Cys	Arg	Asp	Tyr	Thr	Glu	Leu	Leu	Ala	Gln	Val	Tyr	Leu
					215				220					225
Leu	Pro	Asp	Phe	Leu	Ser	Glu	His	Ser	Lys	Val	Arg	Leu	Val	Ile
					230				235					240
Val	Asp	Gly	Ile	Ala	Phe	Pro	Phe	Arg	His	Asp	Leu	Asp	Asp	Leu
					245				250					255
Ser	Leu	Arg	Thr	Arg	Leu	Leu	Asn	Gly	Leu	Ala	Gln	Gln	Met	Ile
					260				265					270
Ser	Leu	Ala	Asn	Asn	His	Arg	Leu	Ala	Val	Ile	Leu	Thr	Asn	Gln
					275				280					285
Met	Thr	Thr	Lys	Ile	Asp	Arg	Asn	Gln	Ala	Leu	Leu	Val	Pro	Ala
					290				295					300
Leu	Gly	Glu	Ser	Trp	Gly	His	Ala	Ala	Thr	Ile	Arg	Leu	Ile	Phe
					305				310					315

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His	Trp	Asp	Arg	Lys	Gln	Arg	Leu	Ala	Thr	Leu	Tyr	Lys	Ser	Pro
				320					325					330
Ser	Gln	Lys	Glu	Cys	Thr	Val	Leu	Phe	Gln	Ile	Lys	Pro	Gln	Gly
				335					340					345
Phe	Arg	Asp	Thr	Val	Val	Thr	Ser	Ala	Cys	Ser	Leu	Gln	Thr	Glu
				350					355					360
Gly	Ser	Leu	Ser	Thr	Arg	Lys	Arg	Ser	Arg	Asp	Pro	Glu	Glu	Glu
				365					370					375

Leu

<210> 17

<211> 204

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 2518753CD1

<400> 17

Met	Ala	Lys	Val	Gln	Val	Asn	Asn	Val	Val	Val	Leu	Asp	Asn	Pro
1				5				10						15
Ser	Pro	Phe	Tyr	Asn	Pro	Phe	Gln	Phe	Glu	Ile	Thr	Phe	Glu	Cys
					20				25					30
Ile	Glu	Asp	Leu	Ser	Glu	Asp	Leu	Glu	Trp	Lys	Ile	Ile	Tyr	Val
					35				40					45
Gly	Ser	Ala	Glu	Ser	Glu	Glu	Tyr	Asp	Gln	Val	Leu	Asp	Ser	Val
					50				55					60
Leu	Val	Gly	Pro	Val	Pro	Ala	Gly	Arg	His	Met	Phe	Val	Phe	Gln
					65				70					75
Ala	Asp	Ala	Pro	Asn	Pro	Gly	Leu	Ile	Pro	Asp	Ala	Asp	Ala	Val
					80				85					90
Gly	Val	Thr	Val	Val	Leu	Ile	Thr	Cys	Thr	Tyr	Arg	Gly	Gln	Glu
					95				100					105
Phe	Ile	Arg	Val	Gly	Tyr	Tyr	Val	Asn	Asn	Glu	Tyr	Thr	Glu	Thr
					110				115					120
Glu	Leu	Arg	Glu	Asn	Pro	Pro	Val	Lys	Pro	Asp	Phe	Ser	Lys	Leu
					125				130					135
Gln	Arg	Asn	Ile	Leu	Ala	Ser	Asn	Pro	Arg	Val	Thr	Arg	Phe	His
					140				145					150
Ile	Asn	Trp	Glu	Asp	Asn	Thr	Glu	Lys	Leu	Glu	Asp	Ala	Glu	Ser
					155				160					165
Ser	Asn	Pro	Asn	Leu	Gln	Ser	Leu	Leu	Ser	Thr	Asp	Ala	Leu	Pro
					170				175					180
Ser	Ala	Ser	Lys	Gly	Trp	Ser	Thr	Ser	Glu	Asn	Ser	Leu	Asn	Val
					185				190					195
Met	Leu	Glu	Ser	His	Met	Asp	Cys	Met						
					200									

<210> 18

<211> 713

<212> PRT

<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 2709055CD1

<400> 18
Met Tyr Leu Leu Ile Gln Met Cys Tyr His Leu Ala Leu Pro Trp
1 5 10 15
Tyr Ser Lys Tyr Phe Pro Tyr Leu Ala Leu Ile His Thr Ile Ile
20 25 30
Leu Met Ala Ser Ser Asn Phe Trp Phe Lys Tyr Pro Lys Thr Cys
35 40 45
Ser Lys Val Glu His Ser Val Ser Ile Leu Gly Lys Cys Phe Glu
50 55 60
Ser Pro Trp Thr Thr Lys Ala Leu Ser Glu Thr Ala Cys Glu Asp
65 70 75
Ser Glu Glu Asn Lys Gln Arg Ile Thr Gly Ala Gln Thr Leu Pro
80 85 90
Lys His Val Ser Thr Ser Ser Asp Glu Gly Ser Pro Ser Ala Ser
95 100 105
Thr Pro Met Ile Asn Lys Thr Gly Phe Lys Phe Ser Ala Glu Lys
110 115 120
Pro Val Ile Glu Val Pro Ser Met Thr Ile Leu Asp Lys Lys Asp
125 130 135
Gly Glu Gln Ala Lys Ala Leu Phe Glu Lys Val Arg Lys Phe Arg
140 145 150
Ala His Val Glu Asp Ser Asp Leu Ile Tyr Lys Leu Tyr Val Val
155 160 165
Gln Thr Val Ile Lys Thr Ala Lys Phe Ile Phe Ile Leu Cys Tyr
170 175 180
Thr Ala Asn Phe Val Asn Ala Ile Ser Phe Glu His Val Cys Lys
185 190 195
Pro Lys Val Glu His Leu Ile Gly Tyr Glu Val Phe Glu Cys Thr
200 205 210
His Asn Met Ala Tyr Met Leu Lys Lys Leu Leu Ile Ser Tyr Ile
215 220 225
Ser Ile Ile Cys Val Tyr Gly Phe Ile Cys Leu Tyr Thr Leu Phe
230 235 240
Trp Leu Phe Arg Ile Pro Leu Lys Glu Tyr Ser Phe Glu Lys Val
245 250 255
Arg Glu Glu Ser Ser Phe Ser Asp Ile Pro Asp Val Lys Asn Asp
260 265 270
Phe Ala Phe Leu Leu His Met Val Asp Gln Tyr Asp Gln Leu Tyr
275 280 285
Ser Lys Arg Phe Gly Val Phe Leu Ser Glu Val Ser Glu Asn Lys
290 295 300
Leu Arg Glu Ile Ser Leu Asn His Glu Trp Thr Phe Glu Lys Leu
305 310 315
Arg Gln His Ile Ser Arg Asn Ala Gln Asp Lys Gln Glu Leu His
320 325 330
Leu Phe Met Leu Ser Gly Val Pro Asp Ala Val Phe Asp Leu Thr
335 340 345
Asp Leu Asp Val Leu Lys Leu Glu Leu Ile Pro Glu Ala Lys Ile
350 355 360
Pro Ala Lys Ile Ser Gln Met Thr Asn Leu Gln Glu Leu His Leu

365	370	375
Cys His Cys Pro Ala Lys Val Glu Gln	Thr Ala Phe Ser Phe	Leu
380	385	390
Arg Asp His Leu Arg Cys Leu His Val	Lys Phe Thr Asp Val	Ala
395	400	405
Glu Ile Pro Ala Trp Val Tyr Leu Leu	Lys Asn Leu Arg Glu	Leu
410	415	420
Tyr Leu Ile Gly Asn Leu Asn Ser Glu	Asn Asn Lys Met Ile	Gly
425	430	435
Leu Glu Ser Leu Arg Glu Leu Arg His	Leu Lys Ile Leu His	Val
440	445	450
Lys Ser Asn Leu Thr Lys Val Pro Ser	Asn Ile Thr Asp Val	Ala
455	460	465
Pro His Leu Thr Lys Leu Val Ile His	Asn Asp Gly Thr Lys	Leu
470	475	480
Leu Val Leu Asn Ser Leu Lys Lys Met	Met Asn Val Ala Glu	Leu
485	490	495
Glu Leu Gln Asn Cys Glu Leu Glu Arg	Ile Pro His Ala Ile	Phe
500	505	510
Ser Leu Ser Asn Leu Gln Glu Leu Asp	Leu Lys Ser Asn Asn	Ile
515	520	525
Arg Thr Ile Glu Glu Ile Ile Ser Phe	Gln His Leu Lys Arg	Leu
530	535	540
Thr Cys Leu Lys Leu Trp His Asn Lys	Ile Val Thr Ile Pro	Pro
545	550	555
Ser Ile Thr His Val Lys Asn Leu Glu	Ser Leu Tyr Phe Ser	Asn
560	565	570
Asn Lys Leu Glu Ser Leu Pro Val Ala	Val Phe Ser Leu Gln	Lys
575	580	585
Leu Arg Cys Leu Asp Val Ser Tyr Asn	Asn Ile Ser Met Ile	Pro
590	595	600
Ile Glu Ile Gly Leu Leu Gln Asn Leu	Gln His Leu His Ile	Thr
605	610	615
Gly Asn Lys Val Asp Ile Leu Pro Lys	Gln Leu Phe Lys Cys	Ile
620	625	630
Lys Leu Arg Thr Leu Asn Leu Gly Gln	Asn Cys Ile Thr Ser	Leu
635	640	645
Pro Glu Lys Val Gly Gln Leu Ser Gln	Leu Thr Gln Leu Glu	Leu
650	655	660
Lys Gly Asn Cys Leu Asp Arg Leu Pro	Ala Gln Leu Gly Gln	Cys
665	670	675
Arg Met Leu Lys Lys Ser Gly Leu Val	Val Glu Asp His Leu	Phe
680	685	690
Asp Thr Leu Pro Leu Glu Val Lys Glu	Ala Leu Asn Gln Asp	Ile
695	700	705
Asn Ile Pro Phe Ala Asn Gly Ile		
710		

<210> 19

<211> 360

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature
 <223> Incyte ID No: 2724537CD1

<400> 19

Met	Ala	Ser	Leu	Leu	Ala	Lys	Asp	Ala	Tyr	Leu	Gln	Ser	Leu	Ala	
1															15
Lys	Lys	Ile	Cys	Ser	His	Ser	Ala	Pro	Glu	Gln	Gln	Ala	Arg	Thr	
															30
20										25					
Arg	Ala	Gly	Lys	Thr	Gln	Gly	Ser	Glu	Thr	Ala	Gly	Pro	Pro	Lys	
															45
35										40					
Lys	Lys	Arg	Lys	Lys	Thr	Gln	Lys	Lys	Phe	Arg	Lys	Arg	Glu	Glu	
															60
50										55					
Lys	Ala	Ala	Glu	His	Lys	Ala	Lys	Ser	Leu	Gly	Glu	Lys	Ser	Pro	
															75
65										70					
Ala	Ala	Ser	Gly	Ala	Arg	Arg	Pro	Glu	Ala	Ala	Lys	Glu	Glu	Ala	
										80					90
80										85					
Ala	Trp	Ala	Ser	Ser	Ser	Ala	Gly	Asn	Pro	Ala	Asp	Gly	Leu	Ala	
										95					105
95										100					
Thr	Glu	Pro	Glu	Ser	Val	Phe	Ala	Leu	Asp	Val	Leu	Arg	Gln	Arg	
										110					120
110										115					
Leu	His	Glu	Lys	Ile	Gln	Glu	Ala	Arg	Gly	Gln	Gly	Ser	Ala	Lys	
										125					135
125										130					
Glu	Leu	Ser	Pro	Ala	Ala	Leu	Glu	Lys	Arg	Arg	Arg	Arg	Lys	Gln	
										140					150
140										145					
Glu	Arg	Asp	Arg	Lys	Lys	Arg	Lys	Arg	Lys	Glu	Leu	Arg	Ala	Lys	
										155					165
155										160					
Glu	Lys	Ala	Arg	Lys	Ala	Glu	Glu	Ala	Thr	Glu	Ala	Gln	Glu	Val	
										170					180
170										175					
Val	Glu	Ala	Thr	Pro	Glu	Gly	Ala	Cys	Thr	Glu	Pro	Arg	Glu	Pro	
										185					195
185										190					
Pro	Gly	Leu	Ile	Phe	Asn	Lys	Val	Glu	Val	Ser	Glu	Asp	Glu	Pro	
										200					210
200										205					
Ala	Ser	Lys	Ala	Gln	Arg	Arg	Lys	Glu	Lys	Arg	Gln	Arg	Val	Lys	
										215					225
215										220					
Gly	Asn	Leu	Thr	Pro	Leu	Thr	Gly	Arg	Asn	Tyr	Arg	Gln	Leu	Leu	
										230					240
230										235					
Glu	Arg	Leu	Gln	Ala	Arg	Gln	Ser	Arg	Leu	Asp	Glu	Leu	Arg	Gly	
										245					255
245										250					
Gln	Asp	Glu	Gly	Lys	Ala	Gln	Glu	Leu	Glu	Ala	Lys	Met	Lys	Trp	
										260					270
260										265					
Thr	Asn	Leu	Leu	Tyr	Lys	Ala	Glu	Gly	Val	Lys	Ile	Arg	Asp	Asp	
										275					285
275										280					
Glu	Arg	Leu	Leu	Gln	Glu	Ala	Leu	Lys	Arg	Lys	Glu	Lys	Arg	Arg	
										290					300
290										295					
Ala	Gln	Arg	Gln	Arg	Arg	Trp	Glu	Lys	Arg	Thr	Ala	Gly	Val	Val	
										305					315
305										310					
Glu	Lys	Met	Gln	Gln	Arg	Gln	Asp	Arg	Arg	Arg	Gln	Asn	Leu	Arg	
										320					330
320										325					
Arg	Lys	Lys	Ala	Ala	Arg	Ala	Glu	Arg	Arg	Leu	Leu	Arg	Ala	Arg	
										335					345
335										340					
Lys	Lys	Gly	Arg	Ile	Leu	Pro	Gln	Asp	Leu	Glu	Arg	Ala	Gly	Leu	
										350					360
350										355					

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<210> 20
<211> 196
<212> PRT
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 025818CD1

<400> 20

Met	Pro	Ala	Asp	Ile	Met	Glu	Lys	Asn	Ser	Ser	Ser	Pro	Val	Ala
1					5				10					15
Ala	Thr	Pro	Ala	Ser	Val	Asn	Thr	Thr	Pro	Asp	Lys	Pro	Lys	Thr
					20				25					30
Ala	Ser	Glu	His	Arg	Lys	Ser	Ser	Lys	Pro	Ile	Met	Glu	Lys	Arg
					35				40					45
Arg	Arg	Ala	Arg	Ile	Asn	Glu	Ser	Leu	Ser	Gln	Leu	Lys	Thr	Leu
					50				55					60
Ile	Leu	Asp	Ala	Leu	Lys	Lys	Asp	Ser	Ser	Arg	His	Ser	Lys	Leu
					65				70					75
Glu	Lys	Ala	Asp	Ile	Leu	Glu	Met	Thr	Val	Lys	His	Leu	Arg	Asn
					80				85					90
Leu	Gln	Arg	Ala	Gln	Met	Thr	Ala	Ala	Leu	Ser	Thr	Asp	Pro	Ser
					95				100					105
Val	Leu	Gly	Lys	Tyr	Arg	Ala	Gly	Phe	Ser	Glu	Cys	Met	Asn	Glu
					110				115					120
Val	Thr	Arg	Phe	Leu	Ser	Ser	Pro	Ser	Thr	Pro	Ala	Thr	Ala	Ala
					125				130					135
Pro	Pro	Trp	Ala	Pro	Thr	Gln	Cys	His	Leu	Pro	Ala	Ala	Pro	Arg
					140				145					150
Leu	Arg	Arg	Thr	Pro	Cys	Gly	Gly	Arg	Gly	Gly	Thr	Glu	Gly	Ala
					155				160					165
Gln	Ala	Thr	Pro	Pro	Pro	Lys	Leu	Pro	Asn	Pro	Pro	Leu	Phe	Pro
					170				175					180
Pro	Asp	Ser	Lys	Gln	Glu	Leu	Glu	Tyr	Trp	Glu	Arg	Arg	Gly	Leu
					185				190					195
Phe														

<210> 21
<211> 540
<212> PRT
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 438283CD1

<400> 21

Met	Leu	Arg	Glu	Glu	Ala	Thr	Lys	Lys	Ser	Lys	Glu	Lys	Glu	Pro
1					5				10					15
Gly	Met	Ala	Leu	Pro	Gln	Gly	Arg	Leu	Ala	Phe	Arg	Asp	Val	Ala
					20				25					30
Ile	Glu	Phe	Ser	Leu	Glu	Glu	Trp	Lys	Cys	Leu	Asn	Pro	Ala	Gln

35	40	45
Arg Ala Leu Tyr Arg	Ala Val Met Leu	Glu Asn Tyr Arg Asn
50	55	60
Glu Phe Val Asp Ser	Ser Leu Lys Ser	Met Met Glu Phe Ser
65	70	75
Thr Arg His Ser Asn	Thr Gly Glu Val	Ile His Thr Gly Thr
80	85	90
Gln Arg His Lys Ser	His His Ile Gly	Asp Phe Cys Phe Pro
95	100	105
Met Lys Lys Asp Ile	His His Phe Glu	Phe Gln Trp Gln Glu
110	115	120
Glu Arg Asn Gly His	Glu Ala Pro Met	Thr Lys Ile Lys Lys
125	130	135
Thr Gly Ser Thr Asp	Arg Ser Asp His	Arg His Ala Gly Asn
140	145	150
Pro Ile Lys Asp Gln	Leu Gly Leu Ser	Phe His Ser His Leu
155	160	165
Glu Leu His Met Phe	Gln Thr Lys Gly	Lys Ile Ser Asn Gln
170	175	180
Asp Lys Ser Ile Ser	Gly Ala Ser Ser	Ala Ser Glu Ser Gln
185	190	195
Ile Ser Cys Arg Leu	Lys Thr His Ile	Ser Asn Lys Tyr Gly
200	205	210
Asn Phe Leu His Ser	Ser Phe Thr Gln	Ile Gln Glu Ile Cys
215	220	225
Arg Glu Lys Pro Cys	Gln Ser Asn Glu	Cys Gly Lys Ala Phe
230	235	240
Tyr Ser Ser Leu Leu	Arg Arg His His	Ile Thr His Ser Arg
245	250	255
Arg Glu Tyr Lys Cys	Asp Val Cys Gly	Lys Ile Phe Asn Gln
260	265	270
Gln Tyr Ile Val Tyr	His His Arg Cys	His Thr Gly Glu Lys
275	280	285
Tyr Lys Cys Asn Glu	Cys Gly Lys Thr	Phe Thr Gln Met Ser
290	295	300
Leu Val Cys His Arg	Arg Leu His Thr	Gly Glu Lys Pro Tyr
305	310	315
Cys Asn Glu Cys Gly	Lys Thr Phe Ser	Glu Lys Ser Ser Leu
320	325	330
Cys His Arg Arg Leu	His Thr Gly Glu	Lys Pro Tyr Lys Cys
335	340	345
Glu Cys Gly Lys Thr	Phe Gly Arg Asn	Ser Ala Leu Val Ile
350	355	360
Lys Ala Ile His Thr	Gly Glu Lys Pro	Tyr Lys Cys Asn Glu
365	370	375
Gly Lys Thr Phe Ser	Gln Lys Ser Ser	Leu Gln Cys His His
380	385	390
Leu His Thr Gly Glu	Lys Pro Tyr Lys	Cys Glu Glu Cys Asp
395	400	405
Val Tyr Ile Arg Arg	Ser His Leu Glu	Arg His Arg Lys Ile
410	415	420
Thr Gly Glu Gly Ser	Tyr Lys Cys Lys	Val Cys Asp Lys Ala
425	430	435
Arg Ser Asp Ser Cys	Leu Ala Asn His	Thr Arg Val His Thr
		Gly

440	445	450
Glu Lys Pro Tyr Lys Cys Asn Lys Cys	Ala Lys Val Phe Asn Gln	
455	460	465
Lys Gly Ile Leu Ala Gln His Gln Arg	Val His Thr Gly Glu Lys	
470	475	480
Pro Tyr Lys Cys Asn Glu Cys Gly Lys	Val Phe Asn Gln Lys Ala	
485	490	495
Ser Leu Ala Lys His Gln Arg Val His	Thr Ala Glu Lys Pro Tyr	
500	505	510
Lys Cys Asn Glu Cys Gly Lys Ala Phe	Thr Gly Gln Ser Thr Leu	
515	520	525
Ile His His Gln Ala Ile His Gly Cys	Arg Glu Thr Leu Gln Met	
530	535	540

<210> 22
<211> 549
<212> PRT
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 619699CD1

<400> 22		
Met Leu Glu Asn Tyr Lys Asn Leu Ala Thr Val Gly Tyr Gln Leu		
1	5	10
Phe Lys Pro Ser Leu Ile Ser Trp Leu Glu Gln Glu Ser Arg		
20	25	30
Thr Val Gln Arg Gly Asp Phe Gln Ala Ser Glu Trp Lys Val Gln		
35	40	45
Leu Lys Thr Lys Glu Leu Ala Leu Gln Gln Asp Val Leu Gly Glu		
50	55	60
Pro Thr Ser Ser Gly Ile Gln Met Ile Gly Ser His Asn Gly Gly		
65	70	75
Glu Val Ser Asp Val Lys Gln Cys Gly Asp Val Ser Ser Glu His		
80	85	90
Ser Cys Leu Lys Thr His Val Arg Thr Gln Asn Ser Glu Asn Thr		
95	100	105
Phe Glu Cys Tyr Leu Tyr Gly Val Asp Phe Leu Thr Leu His Lys		
110	115	120
Lys Thr Ser Thr Gly Glu Gln Arg Ser Val Phe Ser Gln Cys Gly		
125	130	135
Lys Ala Phe Ser Leu Asn Pro Asp Val Val Cys Gln Arg Thr Cys		
140	145	150
Thr Gly Glu Lys Ala Phe Asp Cys Ser Asp Ser Gly Lys Ser Phe		
155	160	165
Ile Asn His Ser His Leu Gln Gly His Leu Arg Thr His Asn Gly		
170	175	180
Glu Ser Leu His Glu Trp Lys Glu Cys Gly Arg Gly Phe Ile His		
185	190	195
Ser Thr Asp Leu Ala Val Arg Ile Gln Thr His Arg Ser Glu Lys		
200	205	210
Pro Tyr Lys Cys Lys Glu Cys Gly Lys Gly Phe Arg Tyr Ser Ala		

215	220	225
Tyr Leu Asn Ile His Met Gly Thr His	Thr Gly Asp Asn Pro	Tyr
230	235	240
Glu Cys Lys Glu Cys Gly Lys Ala Phe	Thr Arg Ser Cys Gln	Leu
245	250	255
Thr Gln His Arg Lys Thr His Thr Gly	Glu Lys Pro Tyr Lys	Cys
260	265	270
Lys Asp Cys Gly Arg Ala Phe Thr Val	Ser Ser Cys Leu Ser	Gln
275	280	285
His Met Lys Ile His Val Gly Glu Lys	Pro Tyr Glu Cys Lys	Glu
290	295	300
Cys Gly Ile Ala Phe Thr Arg Ser Ser	Gln Leu Thr Glu His	Leu
305	310	315
Lys Thr His Thr Ala Lys Asp Pro Phe	Glu Cys Lys Val Cys	Gly
320	325	330
Lys Ser Phe Arg Asn Ser Ser Cys Leu	Ser Asp His Phe Arg	Ile
335	340	345
His Thr Gly Ile Lys Pro Tyr Lys Cys	Lys Asp Cys Gly Lys	Ala
350	355	360
Phe Thr Gln Asn Ser Asp Leu Thr Lys	His Ala Arg Thr His	Ser
365	370	375
Gly Glu Arg Pro Tyr Glu Cys Lys Glu	Cys Gly Lys Ala Phe	Ala
380	385	390
Arg Ser Ser Arg Leu Ser Glu His Thr	Arg Thr His Thr Gly	Glu
395	400	405
Lys Pro Phe Glu Cys Val Lys Cys Gly	Lys Ala Phe Ala Ile	Ser
410	415	420
Ser Asn Leu Ser Gly His Leu Arg Ile	His Thr Gly Glu Lys	Pro
425	430	435
Phe Glu Cys Leu Glu Cys Gly Lys Ala	Phe Thr His Ser Ser	Ser
440	445	450
Leu Asn Asn His Met Arg Thr His Ser	Ala Lys Lys Pro Phe	Thr
455	460	465
Cys Met Glu Cys Gly Lys Ala Phe Lys	Phe Pro Thr Cys Val	Asn
470	475	480
Leu His Met Arg Ile His Thr Gly Glu	Lys Pro Tyr Lys Cys	Lys
485	490	495
Gln Cys Gly Lys Ser Phe Ser Tyr Ser	Asn Ser Phe Gln Leu	His
500	505	510
Glu Arg Thr His Thr Gly Glu Lys Pro	Tyr Glu Cys Lys Glu	Cys
515	520	525
Gly Lys Ala Phe Ser Ser Ser Ser	Phe Arg Asn His Glu Arg	
530	535	540
Arg His Ala Asp Glu Arg Leu Ser Ala		
545		

<210> 23
 <211> 361
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte ID No: 693452CD1

<220>
 <221> unsure
 <222> 335
 <223> unknown or other

<400> 23

Met	Ala	Asp	Phe	Lys	Val	Leu	Ser	Ser	Gln	Asp	Ile	Lys	Trp	Ala
1														15
Leu	His	Glu	Leu	Lys	Gly	His	Tyr	Ala	Ile	Thr	Arg	Lys	Ala	Leu
														30
Ser	Asp	Ala	Ile	Lys	Lys	Trp	Gln	Glu	Leu	Ser	Pro	Glu	Thr	Ser
														45
Gly	Lys	Arg	Lys	Lys	Arg	Lys	Gln	Met	Asn	Gln	Tyr	Ser	Tyr	Ile
														60
Asp	Phe	Lys	Phe	Glu	Gln	Gly	Asp	Ile	Lys	Ile	Glu	Lys	Arg	Met
														75
Phe	Phe	Leu	Glu	Asn	Lys	Arg	Arg	His	Cys	Arg	Ser	Tyr	Asp	Arg
														90
Arg	Ala	Leu	Leu	Pro	Ala	Val	Gln	Gln	Glu	Gln	Glu	Phe	Tyr	Glu
														105
Gln	Lys	Ile	Lys	Glu	Met	Ala	Glu	His	Glu	Asp	Phe	Leu	Leu	Ala
														120
Leu	Gln	Met	Asn	Glu	Glu	Gln	Tyr	Gln	Lys	Asp	Gly	Gln	Leu	Ile
														135
Glu	Cys	Arg	Cys	Cys	Tyr	Gly	Glu	Phe	Pro	Phe	Glu	Glu	Leu	Thr
														150
Gln	Cys	Ala	Asp	Ala	His	Leu	Phe	Cys	Lys	Glu	Cys	Leu	Ile	Arg
														165
Tyr	Ala	Gln	Glu	Ala	Val	Phe	Gly	Ser	Gly	Lys	Leu	Glu	Leu	Ser
														180
Cys	Met	Glu	Gly	Ser	Cys	Thr	Cys	Ser	Phe	Pro	Thr	Ser	Glu	Leu
														195
Glu	Lys	Val	Leu	Pro	Gln	Thr	Ile	Leu	Tyr	Lys	Tyr	Tyr	Glu	Arg
														210
Lys	Ala	Glu	Glu	Glu	Val	Ala	Ala	Ala	Tyr	Ala	Asp	Glu	Leu	Val
														225
Arg	Cys	Pro	Ser	Cys	Ser	Phe	Pro	Ala	Leu	Leu	Asp	Ser	Asp	Val
														240
Lys	Arg	Phe	Ser	Cys	Pro	Asn	Pro	His	Cys	Arg	Lys	Glu	Thr	Cys
														255
Arg	Lys	Cys	Gln	Gly	Leu	Trp	Lys	Glu	His	Asn	Gly	Leu	Thr	Cys
														270
Glu	Glu	Leu	Ala	Glu	Lys	Asp	Asp	Ile	Lys	Tyr	Arg	Thr	Ser	Ile
														285
Glu	Glu	Lys	Met	Thr	Ala	Ala	Arg	Ile	Arg	Lys	Cys	His	Lys	Cys
														300
Gly	Thr	Gly	Leu	Ile	Lys	Ser	Glu	Gly	Cys	Asn	Arg	Met	Ser	Cys
														315
Arg	Cys	Gly	Ala	Gln	Met	Cys	Tyr	Leu	Cys	Arg	Val	Ser	Ile	Asn
														330
Gly	Tyr	Asp	His	Xaa	Cys	Gln	Gln	Ser	Arg	Leu	Thr	Gly	Ala	Pro
														345
Phe	Gln	Gly	Val	Phe	Lys	Met	Leu	Ser	Met	Asp	Arg	Leu	Gln	Cys
														360

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Lys

<210> 24
<211> 241
<212> PRT
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 839651CD1

<400> 24
Met Trp Pro Ser Leu Glu Ala Leu Cys Ser Leu Phe Ala Ala Arg
1 5 10 15
Ser Thr Gly Ser Gln Ala Gln Ser Ala Pro Thr Pro Ala Trp Asp
20 25 30
Glu Asp Thr Ala Gln Ile Gly Pro Lys Arg Ile Arg Lys Ala Ala
35 40 45
Lys Arg Glu Leu Met Pro Cys Asp Phe Pro Gly Cys Gly Arg Ile
50 55 60
Phe Ser Asn Arg Gln Tyr Leu Asn His His Lys Lys Tyr Gln His
65 70 75
Ile His Gln Lys Ser Phe Ser Cys Pro Glu Pro Ala Cys Gly Lys
80 85 90
Ser Phe Asn Phe Lys Lys His Leu Lys Glu His Met Lys Leu His
95 100 105
Ser Asp Thr Arg Asp Tyr Ile Cys Glu Phe Cys Ala Arg Ser Phe
110 115 120
Arg Thr Ser Ser Asn Leu Val Ile His Arg Arg Ile His Thr Gly
125 130 135
Glu Lys Pro Leu Gln Cys Glu Ile Cys Gly Phe Thr Cys Arg Gln
140 145 150
Lys Ala Ser Leu Asn Trp His Gln Arg Lys His Ala Glu Thr Val
155 160 165
Ala Ala Leu Arg Phe Pro Cys Glu Phe Cys Gly Lys Arg Phe Glu
170 175 180
Lys Pro Asp Ser Val Ala Ala His Arg Ser Lys Ser His Pro Ala
185 190 195
Leu Leu Leu Ala Pro Gln Glu Ser Pro Ser Gly Pro Leu Glu Pro
200 205 210
Cys Pro Ser Ile Ser Ala Pro Gly Pro Leu Gly Ser Ser Glu Gly
215 220 225
Ser Arg Pro Ser Ala Ser Pro Gln Ala Pro Thr Leu Leu Pro Gln
230 235 240
Gln

<210> 25
<211> 576
<212> PRT
<213> Homo sapiens

<220>

<221> misc_feature
<223> Incyte ID No: 1253545CD1

<400> 25
Met Ala Lys Ala Gln Glu Thr Gly His Leu Val Met Asp Val Arg
1 5 10 15
Arg Tyr Gly Lys Ala Gly Ser Pro Glu Thr Lys Trp Ile Asp Ala
20 25 30
Thr Ser Gly Ile Tyr Asn Ser Glu Lys Ser Ser Asn Leu Ser Val
35 40 45
Thr Thr Asp Phe Ser Glu Ser Leu Gln Ser Ser Asn Ile Glu Ser
50 55 60
Lys Glu Ile Asn Gly Ile His Asp Glu Ser Asn Ala Phe Glu Ser
65 70 75
Lys Ala Ser Glu Ser Ile Ser Leu Lys Asn Leu Lys Arg Arg Ser
80 85 90
Gln Phe Phe Glu Gln Gly Ser Ser Asp Ser Val Val Pro Asp Leu
95 100 105
Pro Val Pro Thr Ile Ser Ala Pro Ser Arg Trp Val Trp Asp Gln
110 115 120
Glu Glu Glu Arg Lys Arg Gln Glu Arg Trp Gln Lys Glu Gln Asp
125 130 135
Arg Leu Leu Gln Glu Lys Tyr Gln Arg Glu Gln Glu Lys Leu Arg
140 145 150
Glu Glu Trp Gln Arg Ala Lys Gln Glu Ala Glu Arg Glu Asn Ser
155 160 165
Lys Tyr Leu Asp Glu Glu Leu Met Val Leu Ser Ser Asn Ser Met
170 175 180
Ser Leu Thr Thr Arg Glu Pro Ser Leu Ala Thr Trp Glu Ala Thr
185 190 195
Trp Ser Glu Gly Ser Lys Ser Ser Asp Arg Glu Gly Thr Arg Ala
200 205 210
Gly Glu Glu Glu Arg Arg Gln Pro Gln Glu Glu Val Val His Glu
215 220 225
Asp Gln Gly Lys Lys Pro Gln Asp Gln Leu Val Ile Glu Arg Glu
230 235 240
Arg Lys Trp Glu Gln Gln Leu Gln Glu Glu Gln Glu Gln Lys Arg
245 250 255
Leu Gln Ala Glu Ala Glu Glu Gln Lys Arg Pro Ala Glu Glu Gln
260 265 270
Lys Arg Gln Ala Glu Ile Glu Arg Glu Thr Ser Val Arg Ile Tyr
275 280 285
Gln Tyr Arg Arg Pro Val Asp Ser Tyr Asp Ile Pro Lys Thr Glu
290 295 300
Glu Ala Ser Ser Gly Phe Leu Pro Gly Asp Arg Asn Lys Ser Arg
305 310 315
Ser Thr Thr Glu Leu Asp Asp Tyr Ser Thr Asn Lys Asn Gly Asn
320 325 330
Asn Lys Tyr Leu Asp Gln Ile Gly Asn Thr Thr Ser Ser Gln Arg
335 340 345
Arg Ser Lys Lys Glu Gln Val Pro Ser Gly Ala Glu Leu Glu Arg
350 355 360
Gln Gln Ile Leu Gln Glu Met Arg Lys Arg Thr Pro Leu His Asn
365 370 375

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Asp Asn Ser Trp Ile Arg Gln Arg Ser Ala Ser Val Asn Lys Glu
380 385 390
Pro Val Ser Leu Pro Gly Ile Met Arg Arg Gly Glu Ser Leu Asp
395 400 405
Asn Leu Asp Ser Pro Arg Ser Asn Ser Trp Arg Gln Pro Pro Trp
410 415 420
Leu Asn Gln Pro Thr Gly Phe Tyr Ala Ser Ser Ser Val Gln Asp
425 430 435
Phe Ser Arg Pro Gln Pro Gln Leu Val Ser Thr Ser Asn Arg Ala
440 445 450
Tyr Met Arg Asn Pro Ser Ser Ser Val Pro Pro Pro Ser Ala Gly
455 460 465
Ser Val Lys Thr Ser Thr Thr Gly Val Ala Thr Thr Gln Ser Pro
470 475 480
Thr Pro Arg Ser His Ser Pro Ser Ala Ser Gln Ser Gly Ser Gln
485 490 495
Leu Arg Asn Arg Ser Val Ser Gly Lys Arg Ile Cys Ser Tyr Cys
500 505 510
Asn Asn Ile Leu Gly Lys Gly Ala Ala Met Ile Ile Glu Ser Leu
515 520 525
Gly Leu Cys Tyr His Leu His Cys Phe Lys Cys Val Ala Cys Glu
530 535 540
Cys Asp Leu Gly Gly Ser Ser Ser Gly Ala Glu Val Arg Ile Arg
545 550 555
Asn His Gln Leu Tyr Cys Asn Asp Cys Tyr Leu Arg Phe Lys Ser
560 565 570
Gly Arg Pro Thr Ala Met
575

<210> 26

<211> 408

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 1425691CD1

<400> 26

Met Pro Gly His Leu Gln Glu Gly Phe Gly Cys Val Val Thr Asn
1 5 10 15
Arg Phe Asp Gln Leu Phe Asp Asp Glu Ser Asp Pro Phe Glu Val
20 25 30
Leu Lys Ala Ala Glu Asn Lys Lys Glu Ala Gly Gly Gly
35 40 45
Val Gly Gly Pro Gly Ala Lys Ser Ala Ala Gln Ala Ala Gln
50 55 60
Thr Asn Ser Asn Ala Ala Gly Lys Gln Leu Arg Lys Glu Ser Gln
65 70 75
Lys Asp Arg Lys Asn Pro Leu Pro Pro Ser Val Gly Val Val Asp
80 85 90
Lys Lys Glu Glu Thr Gln Pro Pro Val Ala Leu Lys Lys Glu Gly
95 100 105
Ile Arg Arg Val Gly Arg Arg Pro Asp Gln Gln Leu Gln Gly Glu

110	115	120
Gly Lys Ile Ile Asp Arg Arg Pro Glu	Arg Arg Pro Pro Arg Glu	
125	130	135
Arg Arg Phe Glu Lys Pro Leu Glu Glu	Lys Gly Glu Gly Gly Glu	
140	145	150
Phe Ser Val Asp Arg Pro Ile Ile Asp	Arg Pro Ile Arg Gly Arg	
155	160	165
Gly Gly Leu Gly Arg Gly Arg Gly	Arg Gly Arg Gly Met Gly	
170	175	180
Arg Gly Asp Gly Phe Asp Ser Arg Gly	Lys Arg Glu Phe Asp Arg	
185	190	195
His Ser Gly Ser Asp Arg Ser Ser Phe	Ser His Tyr Ser Gly Leu	
200	205	210
Lys His Glu Asp Lys Arg Gly Ser Gly	Ser His Asn Trp Gly	
215	220	225
Thr Val Lys Asp Glu Leu Thr Glu Ser	Pro Lys Tyr Ile Gln Lys	
230	235	240
Gln Ile Ser Tyr Asn Tyr Ser Asp Leu	Asp Gln Ser Asn Val Thr	
245	250	255
Glu Glu Thr Pro Glu Gly Glu Glu His	His Pro Val Ala Asp Thr	
260	265	270
Glu Asn Lys Glu Asn Glu Val Glu Val	Lys Glu Glu Gly Pro	
275	280	285
Lys Glu Met Thr Leu Asp Glu Trp Lys	Ala Ile Gln Asn Lys Asp	
290	295	300
Arg Ala Lys Val Glu Phe Asn Ile Arg	Lys Pro Asn Glu Gly Ala	
305	310	315
Asp Gly Gln Trp Lys Lys Gly Phe Val	Leu His Lys Ser Lys Ser	
320	325	330
Glu Glu Ala His Ala Glu Asp Ser Val	Met Asp His His Phe Arg	
335	340	345
Lys Pro Ala Asn Asp Ile Thr Ser Gln	Leu Glu Ile Asn Phe Gly	
350	355	360
Asp Leu Gly Arg Pro Gly Arg Gly	Gly Arg Gly Arg Gly Gly	
365	370	375
Arg Gly Arg Gly Arg Pro Asn Arg Gly	Ser Arg Thr Asp Lys	
380	385	390
Ser Ser Ala Ser Ala Pro Asp Val Asp	Asp Pro Glu Ala Phe Pro	
395	400	405
Ala Leu Ala		

<210> 27
<211> 810
<212> PRT
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 1484257CD1

<400> 27
Met Asp Phe Pro Gln His Ser Gln His Val Leu Glu Gln Leu Asn
1 5 10 15

Gln Gln Arg Gln Leu Gly Leu Leu Cys Asp Cys Thr Phe Val Val
 20 25 30
 Asp Gly Val His Phe Lys Ala His Lys Ala Val Leu Ala Ala Cys
 35 40 45
 Ser Glu Tyr Phe Lys Met Leu Phe Val Asp Gln Lys Asp Val Val
 50 55 60
 His Leu Asp Ile Ser Asn Ala Ala Gly Leu Gly Gln Val Leu Glu
 65 70 75
 Phe Met Tyr Thr Ala Lys Leu Ser Leu Ser Pro Glu Asn Val Asp
 80 85 90
 Asp Val Leu Ala Val Ala Thr Phe Leu Gln Met Gln Asp Ile Ile
 95 100 105
 Thr Ala Cys His Ala Leu Lys Ser Leu Ala Glu Pro Ala Thr Ser
 110 115 120
 Pro Gly Gly Asn Ala Glu Ala Leu Ala Gln Lys Val Cys Pro Val
 125 130 135
 Pro Ser Pro Gly Gly Asp Lys Arg Ala Lys Glu Glu Lys Val Ala
 140 145 150
 Thr Ser Thr Leu Ser Arg Leu Glu Gln Ala Gly Arg Ser Thr Pro
 155 160 165
 Ile Gly Pro Ser Arg Asp Leu Lys Glu Glu Arg Gly Gly Gln Ala
 170 175 180
 Gln Ser Ala Ala Ser Gly Ala Glu Gln Thr Glu Lys Ala Asp Ala
 185 190 195
 Pro Arg Glu Pro Pro Val Glu Leu Lys Pro Asp Pro Thr Ser
 200 205 210
 Gly Met Ala Ala Ala Glu Ala Glu Ala Ala Leu Ser Glu Ser Ser
 215 220 225
 Glu Gln Glu Met Glu Val Glu Pro Ala Arg Lys Gly Glu Glu Glu
 230 235 240
 Gln Lys Glu Gln Glu Glu Gln Glu Glu Gly Ala Gly Pro Ala
 245 250 255
 Glu Val Lys Glu Glu Gly Ser Gln Leu Glu Asn Gly Glu Ala Pro
 260 265 270
 Glu Glu Asn Glu Asn Glu Glu Ser Ala Gly Thr Asp Ser Gly Gln
 275 280 285
 Glu Leu Gly Ser Glu Ala Arg Gly Leu Arg Ser Gly Thr Tyr Gly
 290 295 300
 Asp Arg Thr Glu Ser Lys Ala Tyr Gly Ser Val Ile His Lys Cys
 305 310 315
 Glu Asp Cys Gly Lys Glu Phe Thr His Thr Gly Asn Phe Lys Arg
 320 325 330
 His Ile Arg Ile His Thr Gly Glu Lys Pro Phe Ser Cys Arg Glu
 335 340 345
 Cys Ser Lys Ala Phe Ser Asp Pro Ala Ala Cys Glu Ala His Glu
 350 355 360
 Lys Thr His Ser Pro Leu Lys Pro Tyr Gly Cys Glu Glu Cys Gly
 365 370 375
 Lys Ser Tyr Arg Leu Ile Ser Leu Leu Asn Leu His Lys Lys Arg
 380 385 390
 His Ser Gly Glu Ala Arg Tyr Arg Cys Glu Asp Cys Gly Lys Leu
 395 400 405
 Phe Thr Thr Ser Gly Asn Leu Lys Arg His Gln Leu Val His Ser
 410 415 420

Gly	Glu	Lys	Pro	Tyr	Gln	Cys	Asp	Tyr	Cys	Gly	Arg	Ser	Phe	Ser
				425					430					435
Asp	Pro	Thr	Ser	Lys	Met	Arg	His	Leu	Glu	Thr	His	Asp	Thr	Asp
				440					445					450
Lys	Glu	His	Lys	Cys	Pro	His	Cys	Asp	Lys	Lys	Phe	Asn	Gln	Val
				455					460					465
Gly	Asn	Leu	Lys	Ala	His	Leu	Lys	Ile	His	Ile	Ala	Asp	Gly	Pro
				470					475					480
Leu	Lys	Cys	Arg	Glu	Cys	Gly	Lys	Gln	Phe	Thr	Thr	Ser	Gly	Asn
				485					490					495
Leu	Lys	Arg	His	Leu	Arg	Ile	His	Ser	Gly	Glu	Lys	Pro	Tyr	Val
				500					505					510
Cys	Ile	His	Cys	Gln	Arg	Gln	Phe	Ala	Asp	Pro	Gly	Ala	Leu	Gln
				515					520					525
Arg	His	Val	Arg	Ile	His	Thr	Gly	Glu	Lys	Pro	Cys	Gln	Cys	Val
				530					535					540
Met	Cys	Gly	Lys	Ala	Phe	Thr	Gln	Ala	Ser	Ser	Leu	Ile	Ala	His
				545					550					555
Val	Arg	Gln	His	Thr	Gly	Glu	Lys	Pro	Tyr	Val	Cys	Glu	Arg	Cys
				560					565					570
Gly	Lys	Arg	Phe	Val	Gln	Ser	Ser	Gln	Leu	Ala	Asn	His	Ile	Arg
				575					580					585
His	His	Asp	Asn	Ile	Arg	Pro	His	Lys	Cys	Ser	Val	Cys	Ser	Lys
				590					595					600
Ala	Phe	Val	Asn	Val	Gly	Asp	Leu	Ser	Lys	His	Ile	Ile	Ile	His
				605					610					615
Thr	Gly	Glu	Lys	Pro	Tyr	Leu	Cys	Asp	Lys	Cys	Gly	Arg	Gly	Phe
				620					625					630
Asn	Arg	Val	Asp	Asn	Leu	Arg	Ser	His	Val	Lys	Thr	Val	His	Gln
				635					640					645
Gly	Lys	Ala	Gly	Ile	Lys	Ile	Leu	Glu	Pro	Glu	Glu	Gly	Ser	Glu
				650					655					660
Val	Ser	Val	Val	Thr	Val	Asp	Asp	Met	Val	Thr	Leu	Ala	Thr	Glu
				665					670					675
Ala	Leu	Ala	Ala	Thr	Ala	Val	Thr	Gln	Leu	Thr	Val	Val	Pro	Val
				680					685					690
Gly	Ala	Ala	Val	Thr	Ala	Asp	Glu	Thr	Glu	Val	Leu	Lys	Ala	Glu
				695					700					705
Ile	Ser	Lys	Ala	Val	Lys	Gln	Val	Gln	Glu	Glu	Asp	Pro	Asn	Thr
				710					715					720
His	Ile	Leu	Tyr	Ala	Cys	Asp	Ser	Cys	Gly	Asp	Lys	Phe	Leu	Asp
				725					730					735
Ala	Asn	Ser	Leu	Ala	Gln	His	Val	Arg	Ile	His	Thr	Ala	Gln	Ala
				740					745					750
Leu	Val	Met	Phe	Gln	Thr	Asp	Ala	Asp	Phe	Tyr	Gln	Gln	Tyr	Gly
				755					760					765
Pro	Gly	Gly	Thr	Trp	Pro	Ala	Gly	Gln	Val	Leu	Gln	Ala	Gly	Glu
				770					775					780
Leu	Val	Phe	Arg	Pro	Arg	Asp	Gly	Ala	Glu	Gly	Gln	Pro	Ala	Leu
				785					790					795
Ala	Glu	Thr	Ser	Pro	Thr	Ala	Pro	Glu	Cys	Pro	Pro	Pro	Ala	Glu
				800					805					810

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<210> 28

<211> 324

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 1732368CD1

<400> 28

Met Asp Trp Ser Glu Val Lys Glu Glu Lys Asp Asn Leu Glu Ile
1 5 10 15
Lys Gln Glu Glu Lys Phe Val Gly Gln Cys Ile Lys Glu Glu Leu
20 25 30
Met His Gly Glu Cys Val Lys Glu Glu Lys Asp Phe Leu Lys Lys
35 40 45
Glu Ile Val Asp Asp Thr Lys Val Lys Glu Glu Pro Pro Ile Asn
50 55 60
His Pro Val Gly Cys Lys Arg Lys Leu Ala Met Ser Arg Cys Glu
65 70 75
Thr Cys Gly Thr Glu Glu Ala Lys Tyr Arg Cys Pro Arg Cys Met
80 85 90
Arg Tyr Ser Cys Ser Leu Pro Cys Val Lys Lys His Lys Ala Glu
95 100 105
Leu Thr Cys Asn Gly Val Arg Asp Lys Thr Ala Tyr Ile Ser Ile
110 115 120
Gln Gln Phe Thr Glu Met Asn Leu Leu Ser Asp Tyr Arg Phe Leu
125 130 135
Glu Asp Val Ala Arg Thr Ala Asp His Ile Ser Arg Asp Ala Phe
140 145 150
Leu Lys Arg Pro Ile Ser Asn Lys Tyr Met Tyr Phe Met Lys Asn
155 160 165
Arg Ala Arg Arg Gln Gly Ile Asn Leu Lys Leu Leu Pro Asn Gly
170 175 180
Phe Thr Lys Arg Lys Glu Asn Ser Thr Phe Phe Asp Lys Lys Lys
185 190 195
Gln Gln Phe Cys Trp His Val Lys Leu Gln Phe Pro Gln Ser Gln
200 205 210
Ala Glu Tyr Ile Glu Lys Arg Val Pro Asp Asp Lys Thr Ile Asn
215 220 225
Glu Ile Leu Lys Pro Tyr Ile Asp Pro Glu Lys Ser Asp Pro Val
230 235 240
Ile Arg Gln Arg Leu Lys Ala Tyr Ile Arg Ser Gln Thr Gly Val
245 250 255
Gln Ile Leu Met Lys Ile Glu Tyr Met Gln Gln Asn Leu Val Arg
260 265 270
Tyr Tyr Glu Leu Asp Pro Tyr Lys Ser Leu Leu Asp Asn Leu Arg
275 280 285
Asn Lys Val Ile Ile Glu Tyr Pro Thr Leu His Val Val Leu Lys
290 295 300
Gly Ser Asn Asn Asp Met Lys Val Leu His Gln Val Lys Ser Glu
305 310 315
Ser Thr Lys Asn Val Gly Asn Glu Asn
320

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<210> 29
<211> 292
<212> PRT
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 1870914CD1

<400> 29
Met Glu Glu Val Pro His Asp Cys Pro Gly Ala Asp Ser Ala Gln
1 5 10 15
Ala Gly Arg Gly Ala Ser Cys Gln Gly Cys Pro Asn Gln Arg Leu
20 25 30
Cys Ala Ser Gly Ala Gly Ala Thr Pro Asp Thr Ala Ile Glu Glu
35 40 45
Ile Lys Glu Lys Met Lys Thr Val Lys His Lys Ile Leu Val Leu
50 55 60
Ser Gly Lys Gly Gly Val Gly Lys Ser Thr Phe Ser Ala His Leu
65 70 75
Ala His Gly Leu Ala Glu Asp Glu Asn Thr Gln Ile Ala Leu Leu
80 85 90
Asp Ile Asp Ile Cys Gly Pro Ser Ile Pro Lys Ile Met Gly Leu
95 100 105
Glu Gly Glu Gln Val His Gln Ser Gly Ser Gly Trp Ser Pro Val
110 115 120
Tyr Val Glu Asp Asn Leu Gly Val Met Ser Val Gly Phe Leu Leu
125 130 135
Ser Ser Pro Asp Asp Ala Val Ile Trp Arg Gly Pro Lys Lys Asn
140 145 150
Gly Met Ile Lys Gln Phe Leu Arg Asp Val Asp Trp Gly Glu Val
155 160 165
Asp Tyr Leu Ile Val Asp Thr Pro Pro Gly Thr Ser Asp Glu His
170 175 180
Leu Ser Val Val Arg His Leu Ala Thr Ala His Ile Asp Gly Ala
185 190 195
Val Ile Ile Thr Thr Pro Gln Glu Val Ser Leu Gln Asp Val Arg
200 205 210
Lys Glu Ile Asn Phe Cys Arg Lys Val Lys Leu Pro Ile Ile Gly
215 220 225
Val Val Glu Asn Met Ser Gly Phe Ile Cys Pro Lys Cys Lys Lys
230 235 240
Glu Ser Gln Ile Phe Pro Pro Thr Thr Gly Gly Ala Glu Leu Met
245 250 255
Cys Gln Asp Leu Glu Val Pro Leu Leu Gly Arg Val Pro Leu Asp
260 265 270
Pro Leu Ile Gly Ile Gln Glu Phe Cys Asn Leu His Gln Ser Lys
275 280 285
Glu Glu Asn Leu Ile Ser Ser
290

<210> 30
<211> 259
<212> PRT

PF-0509 USN

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 1910984CD1

<400> 30

Met	Glu	Cys	His	Leu	Lys	Thr	His	Tyr	Lys	Met	Glu	Tyr	Lys	Cys
1				5					10					15
Arg	Ile	Cys	Gln	Thr	Val	Lys	Ala	Asn	Gln	Leu	Glu	Leu	Glu	Thr
					20					25				30
His	Thr	Arg	Glu	His	Arg	Leu	Gly	Asn	His	Tyr	Lys	Cys	Asp	Gln
					35					40				45
Cys	Gly	Tyr	Leu	Ser	Lys	Thr	Ala	Asn	Lys	Leu	Ile	Glu	His	Val
					50					55				60
Arg	Val	His	Thr	Gly	Glu	Arg	Pro	Phe	His	Cys	Asp	Gln	Cys	Ser
					65					70				75
Tyr	Ser	Cys	Thr	Gly	Lys	Asp	Asn	Leu	Asn	Leu	His	Lys	Lys	Leu
					80					85				90
Lys	His	Ala	Pro	Arg	Gln	Thr	Phe	Ser	Cys	Glu	Glu	Cys	Leu	Phe
					95					100				105
Lys	Thr	Thr	His	Pro	Phe	Val	Phe	Ser	Arg	His	Val	Lys	Lys	His
					110					115				120
Gln	Ser	Gly	Asp	Cys	Pro	Glu	Glu	Asp	Lys	Lys	Gly	Leu	Cys	Pro
					125					130				135
Ala	Pro	Lys	Glu	Pro	Ala	Gly	Pro	Gly	Ala	Pro	Leu	Leu	Val	Val
					140					145				150
Gly	Ser	Ser	Arg	Asn	Leu	Leu	Ser	Pro	Leu	Ser	Val	Met	Ser	Ala
					155					160				165
Ser	Gln	Ala	Leu	Gln	Thr	Val	Ala	Leu	Ser	Ala	Ala	His	Gly	Ser
					170					175				180
Ser	Ser	Glu	Pro	Asn	Leu	Ala	Leu	Lys	Ala	Leu	Ala	Phe	Asn	Gly
					185					190				195
Ser	Pro	Leu	Arg	Phe	Asp	Lys	Tyr	Arg	Asn	Ser	Asp	Phe	Ala	His
					200					205				210
Leu	Ile	Pro	Leu	Thr	Met	Leu	Tyr	Pro	Lys	Asn	His	Leu	Asp	Leu
					215					220				225
Thr	Phe	His	Pro	Pro	Arg	Pro	Gln	Thr	Ala	Pro	Pro	Ser	Ile	Pro
					230					235				240
Ser	Pro	Lys	His	Ser	Phe	Leu	Ala	Tyr	Leu	Gly	Leu	Arg	Glu	Arg
					245					250				255
Ala	Glu	Thr	Val											

<210> 31

<211> 97

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 1943040CD1

<400> 31

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Met	Glu	His	His	Ser	Ser	His	Gly	Gly	Arg	Lys	Arg	Tyr	Ala	Cys
1				5					10					15
Gln	Gly	Cys	Trp	Lys	Thr	Phe	His	Phe	Ser	Leu	Ala	Leu	Ala	Glu
				20					25					30
His	Gln	Lys	Thr	His	Glu	Lys	Glu	Lys	Ser	Tyr	Ala	Leu	Gly	Gly
				35					40					45
Ala	Arg	Gly	Pro	Gln	Pro	Ser	Thr	Arg	Glu	Pro	Arg	Arg	Gly	Leu
				50					55					60
Gly	Arg	Ala	Val	Pro	Gln	Arg	Ala	Trp	Arg	Ala	Arg	Leu	Pro	Pro
				65					70					75
His	Pro	Gln	Arg	Arg	Arg	Gly	Glu	Pro	Leu	Cys	Cys	Pro	Val	Pro
				80					85					90
Glu	Gly	Pro	Leu	Cys	Arg	Pro								
				95										

<210> 32

<211> 812

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 2076520CD1

<400> 32

Met	Ile	Glu	Pro	Asp	Gln	Cys	Phe	Cys	Arg	Phe	Asp	Leu	Thr	Gly
1				5					10					15
Thr	Cys	Asn	Asp	Asp	Asp	Cys	Gln	Trp	Gln	His	Ile	Gln	Asp	Tyr
				20					25					30
Thr	Leu	Ser	Arg	Lys	Gln	Leu	Phe	Gln	Asp	Ile	Leu	Ser	Tyr	Asn
				35					40					45
Leu	Ser	Leu	Ile	Gly	Cys	Ala	Glu	Thr	Ser	Thr	Asn	Glu	Glu	Ile
				50					55					60
Thr	Ala	Ser	Ala	Glu	Lys	Tyr	Val	Glu	Lys	Leu	Phe	Gly	Val	Asn
				65					70					75
Lys	Asp	Arg	Met	Ser	Met	Asp	Gln	Met	Ala	Val	Leu	Leu	Val	Ser
				80					85					90
Asn	Ile	Asn	Glu	Ser	Lys	Gly	His	Thr	Pro	Pro	Phe	Thr	Thr	Tyr
				95					100					105
Lys	Asp	Lys	Arg	Lys	Trp	Lys	Pro	Lys	Phe	Trp	Arg	Lys	Pro	Ile
				110					115					120
Ser	Asp	Asn	Ser	Phe	Ser	Ser	Asp	Glu	Glu	Gln	Ser	Thr	Gly	Pro
				125					130					135
Ile	Lys	Tyr	Ala	Phe	Gln	Pro	Glu	Asn	Gln	Ile	Asn	Val	Pro	Ala
				140					145					150
Leu	Asp	Thr	Val	Val	Thr	Pro	Asp	Asp	Val	Arg	Tyr	Phe	Thr	Asn
				155					160					165
Glu	Thr	Asp	Asp	Ile	Ala	Asn	Leu	Glu	Ala	Ser	Val	Leu	Glu	Asn
				170					175					180
Pro	Ser	His	Val	Gln	Leu	Trp	Leu	Lys	Leu	Ala	Tyr	Lys	Tyr	Leu
				185					190					195
Asn	Gln	Asn	Glu	Gly	Glu	Cys	Ser	Glu	Ser	Leu	Asp	Ser	Ala	Leu
				200					205					210
Asn	Val	Leu	Ala	Arg	Ala	Leu	Glu	Asn	Asn	Lys	Asp	Asn	Pro	Glu

215	220	225
Ile Trp Cys His Tyr	Leu Arg Leu Phe	Ser Lys Arg Gly Thr
230	235	240
Asp Glu Val Gln Glu	Met Cys Glu Thr	Ala Val Glu Tyr Ala
245	250	255
Asp Tyr Gln Ser Phe	Trp Thr Phe Leu	His Leu Glu Ser Thr
260	265	270
Glu Glu Lys Asp Tyr	Val Cys Glu Arg	Met Leu Glu Phe Leu
275	280	285
Gly Ala Ala Lys Gln	Glu Thr Ser Asn	Ile Leu Ser Phe Gln
290	295	300
Leu Glu Ala Leu Leu	Phe Arg Val Gln	Leu His Ile Phe Thr
305	310	315
Arg Cys Gln Ser Ala	Leu Ala Ile Leu	Gln Asn Ala Leu Lys
320	325	330
Ala Asn Asp Gly Ile	Val Ala Glu Tyr	Leu Lys Thr Ser Asp
335	340	345
Cys Leu Ala Trp Leu	Ala Tyr Ile His	Leu Ile Glu Phe Asn
350	355	360
Leu Pro Ser Lys Phe	Tyr Asp Pro Ser	Asn Asp Asn Pro Ser
365	370	375
Ile Val Asn Thr Glu	Ser Phe Val Met	Pro Trp Gln Ala Val
380	385	390
Asp Val Lys Thr Asn	Pro Asp Met Leu	Leu Ala Val Phe Glu
395	400	405
Ala Val Lys Ala Cys	Thr Asp Glu Ser	Leu Ala Val Glu Glu
410	415	420
Ile Glu Ala Cys Leu	Pro Leu Tyr Thr	Asn Met Ile Ala Leu
425	430	435
Gln Leu Leu Glu Arg	Tyr Glu Ala Ala	Met Glu Leu Cys Lys
440	445	450
Leu Leu Glu Ser Cys	Pro Ile Asn Cys	Gln Leu Leu Glu Ala
455	460	465
Val Ala Leu Tyr Leu	Gln Thr Asn Gln	His Asp Lys Ala Arg
470	475	480
Val Trp Leu Thr Ala	Phe Glu Lys Asn	Pro Gln Asn Ala Glu
485	490	495
Phe Tyr His Met Cys	Lys Phe Phe Ile	Leu Gln Asn Arg Gly
500	505	510
Asn Leu Leu Pro Phe	Leu Arg Lys Phe	Ile Ala Ser Phe Phe
515	520	525
Pro Gly Phe Glu Lys	Tyr Asn Asn Leu	Asp Leu Phe Arg Tyr
530	535	540
Leu Asn Ile Pro Gly	Pro Ile Asp Ile	Pro Ser Arg Leu Cys
545	550	555
Gly Asn Phe Asp Asp	Asp Asp Met Phe	Asn His Gln Val Pro Tyr
560	565	570
Trp Leu Ile Tyr Cys	Leu Cys His Pro	Leu Gln Ser Ser Ile
575	580	585
Glu Thr Val Glu Ala	Tyr Glu Ala Ala	Leu Gly Val Ala Met
590	595	600
Cys Asp Ile Val Gln	Lys Ile Trp Met	Asp Tyr Leu Val Phe
605	610	615
Asn Asn Arg Ala	Ala Gly Ser Arg Asn	Lys Val Gln Glu Phe Arg

620	625	630
Phe Phe Thr Asp Leu Val Asn Arg Cys	Leu Val Thr Val Pro Ala	
635	640	645
Arg Tyr Pro Ile Pro Phe Ser Ser Ala	Asp Tyr Trp Ser Asn Tyr	
650	655	660
Glu Phe His Asn Arg Val Ile Phe Phe	Tyr Leu Ser Cys Val Pro	
665	670	675
Lys Thr Gln His Ser Lys Thr Leu Glu	Arg Phe Cys Ser Val Met	
680	685	690
Pro Ala Asn Ser Gly Leu Ala Leu Arg	Leu Leu Gln His Glu Trp	
695	700	705
Glu Glu Ser Asn Val Gln Ile Leu Lys	Leu Gln Ala Lys Met Phe	
710	715	720
Thr Tyr Asn Ile Pro Thr Cys Leu Ala	Thr Trp Lys Ile Ala Ile	
725	730	735
Ala Ala Glu Ile Val Leu Lys Gly Gln	Arg Glu Val His Arg Leu	
740	745	750
Tyr Gln Arg Ala Leu Gln Lys Leu Pro	Leu Cys Ala Ser Leu Trp	
755	760	765
Lys Asp Gln Leu Leu Phe Glu Ala Ser	Glu Gly Gly Lys Thr Asp	
770	775	780
Asn Leu Arg Lys Leu Val Ser Lys Cys	Gln Glu Ile Gly Val Ser	
785	790	795
Leu Asn Glu Leu Leu Asn Leu Asn Ser	Asn Lys Thr Glu Ser Lys	
800	805	810

Asn His

<210> 33
<211> 392
<212> PRT
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 2291241CD1

<400> 33

Met Asp Ala Leu Val Glu Asp Asp Ile Cys Ile Leu Asn His Glu			
1	5	10	15
Lys Ala His Lys Arg Asp Thr Val Thr Pro Val Ser Ile Tyr Ser			
20	25	30	
Gly Asp Glu Ser Val Ala Ser His Phe Ala Leu Val Thr Ala Tyr			
35	40	45	
Glu Asp Ile Lys Lys Arg Leu Lys Asp Ser Glu Lys Glu Asn Ser			
50	55	60	
Leu Leu Lys Lys Arg Ile Arg Phe Leu Glu Glu Lys Leu Ile Ala			
65	70	75	
Arg Phe Glu Glu Glu Thr Ser Ser Val Gly Arg Glu Gln Val Asn			
80	85	90	
Lys Ala Tyr His Ala Tyr Arg Glu Val Cys Ile Asp Arg Asp Asn			
95	100	105	
Leu Lys Ser Lys Leu Asp Lys Met Asn Lys Asp Asn Ser Glu Ser			
110	115	120	

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Leu Lys Val Leu Asn Glu Gln Leu Gln Ser Lys Glu Val Glu Leu
125 130 135
Leu Gln Leu Arg Thr Glu Val Glu Thr Gln Gln Val Met Arg Asn
140 145 150
Leu Asn Pro Pro Ser Ser Asn Trp Glu Val Glu Lys Leu Ser Cys
155 160 165
Asp Leu Lys Ile His Gly Leu Glu Gln Glu Leu Glu Leu Met Arg
170 175 180
Lys Glu Cys Ser Asp Leu Lys Ile Glu Leu Gln Lys Ala Lys Gln
185 190 195
Thr Asp Pro Tyr Gln Glu Asp Asn Leu Lys Ser Arg Asp Leu Gln
200 205 210
Lys Leu Ser Ile Ser Ser Asp Asn Met Gln His Ala Tyr Trp Glu
215 220 225
Leu Lys Arg Glu Met Ser Asn Leu His Leu Val Thr Gln Val Gln
230 235 240
Ala Glu Leu Leu Arg Lys Leu Lys Thr Ser Thr Ala Ile Lys Lys
245 250 255
Ala Cys Ala Pro Val Gly Cys Ser Glu Asp Leu Gly Arg Asp Ser
260 265 270
Thr Lys Leu His Leu Met Asn Phe Thr Ala Thr Tyr Thr Arg His
275 280 285
Pro Pro Leu Leu Pro Asn Gly Lys Ala Leu Cys His Thr Thr Ser
290 295 300
Ser Pro Leu Pro Gly Asp Val Lys Val Leu Ser Glu Lys Ala Ile
305 310 315
Leu Gln Ser Trp Thr Asp Asn Glu Arg Ser Ile Pro Asn Asp Gly
320 325 330
Thr Cys Phe Gln Glu His Ser Ser Tyr Gly Arg Asn Ser Leu Glu
335 340 345
Asp Asn Ser Trp Val Phe Pro Ser Pro Pro Lys Ser Ser Glu Thr
350 355 360
Ala Phe Gly Glu Thr Lys Thr Lys Thr Leu Pro Leu Pro Asn Leu
365 370 375
Pro Pro Leu His Tyr Leu Asp Gln His Asn Gln Asn Cys Leu Tyr
380 385 390

Lys Asn

<210> 34
<211> 60
<212> PRT
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 2329692CD1

<400> 34
Met Ile Tyr Phe Phe Ile Ile Ile Val Glu Tyr Phe Tyr Gly Lys
1 5 10 15
Ile Phe Val Val Leu Ile Ile Pro Ile Lys Ile Met Pro Asn Thr
20 25 30
Lys Tyr Glu Phe Tyr Asp Val His Phe Val Leu Gly Ile Lys Arg

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35	40	45
Lys Lys His Thr Ser Trp Lys Ser Val Ser Cys Phe Leu Leu Leu		
50	55	60

<210> 35
<211> 209
<212> PRT
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 2474110CD1

<400> 35

Met Asp Pro Ser Asp Ile Tyr Ala Val Ile Gln Ile Pro Gly Ser		
1 5 10 15		
Arg Glu Phe Asp Val Ser Phe Arg Ser Ala Glu Lys Leu Ala Leu		
20 25 30		
Phe Leu Arg Val Tyr Glu Glu Lys Arg Glu Gln Glu Asp Cys Trp		
35 40 45		
Glu Asn Phe Val Val Leu Gly Arg Ser Lys Ser Ser Leu Lys Thr		
50 55 60		
Leu Phe Ile Leu Phe Arg Asn Glu Thr Val Asp Val Glu Asp Ile		
65 70 75		
Val Thr Trp Leu Lys Arg His Cys Asp Val Leu Ala Val Pro Val		
80 85 90		
Lys Val Thr Asp Arg Phe Gly Ile Trp Thr Gly Glu Tyr Lys Cys		
95 100 105		
Glu Ile Glu Leu Arg Gln Gly Glu Gly Val Arg His Leu Pro		
110 115 120		
Gly Ala Phe Phe Leu Gly Ala Glu Arg Gly Tyr Ser Trp Tyr Lys		
125 130 135		
Gly Gln Pro Lys Thr Cys Phe Lys Cys Gly Ser Arg Thr His Met		
140 145 150		
Ser Gly Ser Cys Thr Gln Asp Arg Cys Phe Arg Cys Arg Glu Glu		
155 160 165		
Gly His Leu Ser Pro Tyr Cys Arg Lys Gly Ile Val Cys Asn Leu		
170 175 180		
Cys Gly Lys Arg Gly His Ala Phe Ala Gln Cys Pro Lys Ala Val		
185 190 195		
His Asn Ser Val Ala Ala Gln Leu Thr Gly Val Ala Gly His		
200 205		

<210> 36
<211> 257
<212> PRT
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 2495790CD1

<400> 36

PF-0509 USN

Met Val Gly Ala Gly Ile Ser Thr Pro Ser Gly Ile Pro Asp Phe
1 5 10 15
Arg Ser Pro Gly Ser Gly Leu Tyr Ser Asn Leu Gln Gln Tyr Asp
20 25 30
Leu Pro Tyr Pro Glu Ala Ile Phe Glu Leu Pro Phe Phe His
35 40 45
Asn Pro Lys Pro Phe Phe Thr Leu Ala Lys Glu Leu Tyr Pro Gly
50 55 60
Asn Tyr Lys Pro Asn Val Thr His Tyr Phe Leu Arg Leu Leu His
65 70 75
Asp Lys Gly Leu Leu Arg Leu Tyr Thr Gln Asn Ile Asp Gly
80 85 90
Leu Glu Arg Val Ser Gly Ile Pro Ala Ser Lys Leu Val Glu Ala
95 100 105
His Gly Thr Phe Ala Ser Ala Thr Cys Thr Val Cys Gln Arg Pro
110 115 120
Phe Pro Gly Glu Asp Ile Arg Ala Asp Val Met Ala Asp Arg Val
125 130 135
Pro Arg Cys Pro Val Cys Thr Gly Val Val Lys Pro Asp Ile Val
140 145 150
Phe Phe Gly Glu Pro Leu Pro Gln Arg Phe Leu Leu His Val Val
155 160 165
Asp Phe Pro Met Ala Asp Leu Leu Ile Leu Gly Thr Ser Leu
170 175 180
Glu Val Glu Pro Phe Ala Ser Leu Thr Glu Ala Val Arg Ser Ser
185 190 195
Val Pro Arg Leu Leu Ile Asn Arg Asp Leu Val Gly Pro Leu Ala
200 205 210
Trp His Pro Arg Ser Arg Asp Val Ala Gln Leu Gly Asp Val Val
215 220 225
His Gly Val Glu Ser Leu Val Glu Leu Leu Gly Trp Thr Glu Glu
230 235 240
Met Arg Asp Leu Val Gln Arg Glu Thr Gly Lys Leu Asp Gly Pro
245 250 255
Asp Lys

<210> 37

<211> 138

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 2661254CD1

<400> 37

Met Ala Thr Lys Arg Leu Phe Gly Ala Thr Arg Thr Trp Ala Gly
1 5 10 15
Trp Gly Ala Trp Glu Leu Leu Asn Pro Ala Thr Ser Gly Arg Leu
20 25 30
Leu Ala Arg Asp Tyr Ala Lys Lys Pro Val Met Lys Gly Ala Lys
35 40 45
Ser Gly Lys Gly Ala Val Thr Ser Glu Ala Leu Lys Asp Pro Asp

50	55	60
Val Cys Thr Asp Pro Val Gln Leu Thr	Thr Tyr Ala Met Gly Val	
65	70	75
Asn Ile Tyr Lys Glu Gly Gln Asp Val	Pro Leu Lys Pro Asp Ala	
80	85	90
Glu Tyr Pro Glu Trp Leu Phe Glu Met	Asn Leu Gly Pro Pro Lys	
95	100	105
Thr Leu Glu Glu Leu Asp Pro Glu Ser	Arg Glu Tyr Trp Arg Arg	
110	115	120
Leu Arg Lys Gln Asn Ile Trp Arg His	Asn Arg Leu Ser Lys Asn	
125	130	135
Lys Arg Leu		

<210> 38

<211> 999

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 2674047CD1

<220>

<221> unsure

<222> 12, 57

<223> unknown or other

<400> 38

Met Gly Pro Ser Arg Leu Arg Leu Gly Phe Phe Xaa Lys Arg Gly			
1	5	10	15
Cys Ser Arg Ala Met Val Glu Ile Glu Leu Phe Arg Ala Ser Gly			
20	25		30
Asn Leu Val Ile Thr Arg Glu Ile Asp Val Ala Lys Asn Gln Ser			
35	40		45
Phe Trp Phe Ile Asn Lys Lys Ser Thr Thr Gln Xaa Ile Val Glu			
50	55		60
Glu Lys Val Ala Ala Leu Asn Ile Gln Val Gly Asn Leu Cys Gln			
65	70		75
Phe Leu Pro Gln Asp Lys Val Gly Glu Phe Ala Lys Leu Ser Lys			
80	85		90
Ile Glu Leu Leu Glu Ala Thr Glu Lys Ser Ile Gly Pro Pro Glu			
95	100		105
Met His Lys Tyr His Cys Glu Leu Lys Asn Leu Arg Glu Lys Glu			
110	115		120
Lys Gln Leu Glu Thr Ser Cys Lys Glu Lys Thr Glu Tyr Leu Gln			
125	130		135
Lys Met Val Gln Arg Asn Glu Arg Tyr Lys Gln Asp Val Glu Arg			
140	145		150
Phe Tyr Glu Arg Lys Arg His Leu Asp Leu Ile Glu Met Leu Glu			
155	160		165
Ala Lys Arg Pro Trp Val Glu Tyr Glu Asn Val Arg Gln Glu Tyr			
170	175		180
Glu Glu Val Lys Leu Val Arg Asp Arg Val Lys Glu Glu Val Arg			

185	190	195
Lys Leu Lys Glu Gly Gln Ile Pro Ile	Thr Cys Arg Ile Glu Glu	
200	205	210
Met Glu Asn Glu Arg His Asn Leu Glu	Ala Arg Ile Lys Glu Lys	
215	220	225
Ala Thr Asp Ile Lys Glu Ala Ser Gln	Lys Cys Lys Gln Lys Gln	
230	235	240
Asp Val Ile Glu Arg Lys Asp Lys His	Ile Glu Glu Leu Gln Gln	
245	250	255
Ala Leu Ile Val Lys Gln Asn Glu Glu	Leu Asp Arg Gln Arg Arg	
260	265	270
Ile Gly Asn Thr Arg Lys Met Ile Glu	Asp Leu Gln Asn Glu Leu	
275	280	285
Lys Thr Thr Glu Asn Cys Glu Asn Leu	Gln Pro Gln Ile Asp Ala	
290	295	300
Ile Thr Asn Asp Leu Arg Arg Ile Gln	Asp Glu Lys Ala Leu Cys	
305	310	315
Glu Gly Glu Ile Ile Asp Lys Arg Arg	Glu Arg Glu Thr Leu Glu	
320	325	330
Lys Glu Lys Lys Ser Val Asp Asp His	Ile Val Arg Phe Asp Asn	
335	340	345
Leu Met Asn Gln Lys Glu Asp Lys Leu	Arg Gln Arg Phe Arg Asp	
350	355	360
Thr Tyr Asp Ala Val Leu Trp Leu Arg	Asn Asn Arg Asp Lys Phe	
365	370	375
Lys Gln Arg Val Cys Glu Pro Ile Met	Leu Thr Ile Asn Met Lys	
380	385	390
Asp Asn Lys Asn Ala Lys Tyr Ile Glu	Asn His Ile Pro Ser Asn	
395	400	405
Asp Leu Arg Ala Phe Val Phe Glu Ser	Gln Glu Asp Met Glu Val	
410	415	420
Phe Leu Lys Glu Val Arg Asp Asn Lys	Lys Leu Arg Val Asn Ala	
425	430	435
Val Ile Ala Pro Lys Ser Ser Tyr Ala	Asp Lys Ala Pro Ser Arg	
440	445	450
Ser Leu Asn Glu Leu Lys Gln Tyr Gly	Phe Phe Ser Tyr Leu Arg	
455	460	465
Glu Leu Phe Asp Ala Pro Asp Pro Val	Met Ser Tyr Leu Cys Cys	
470	475	480
Gln Tyr His Ile His Glu Val Pro Val	Gly Thr Glu Lys Thr Arg	
485	490	495
Glu Arg Ile Glu Arg Val Ile Gln Glu	Thr Arg Leu Lys Gln Ile	
500	505	510
Tyr Thr Ala Glu Glu Lys Tyr Val Val	Lys Thr Ser Phe Tyr Ser	
515	520	525
Asn Lys Val Ile Ser Ser Asn Thr Ser	Leu Lys Val Ala Gln Phe	
530	535	540
Leu Thr Val Thr Val Asp Leu Glu Gln	Arg Arg His Leu Glu Glu	
545	550	555
Gln Leu Lys Glu Ile His Arg Lys Leu	Gln Ala Val Asp Ser Gly	
560	565	570
Leu Ile Ala Leu Arg Glu Thr Ser Lys	His Leu Glu His Lys Asp	
575	580	585
Asn Glu Leu Arg Gln Lys Lys Lys Glu	Leu Leu Glu Arg Lys Thr	

590	595	600
Lys Lys Arg Gln Leu Glu Gln Lys Ile Ser Ser Lys Leu Gly Ser		
605	610	615
Leu Lys Leu Met Glu Gln Asp Thr Cys Asn Leu Glu Glu Glu		
620	625	630
Arg Lys Ala Ser Thr Lys Ile Lys Glu Ile Asn Val Gln Lys Ala		
635	640	645
Lys Leu Val Thr Glu Leu Thr Asn Leu Ile Lys Ile Cys Thr Ser		
650	655	660
Leu His Ile Gln Lys Val Asp Leu Ile Leu Gln Asn Thr Thr Val		
665	670	675
Ile Ser Glu Lys Asn Lys Leu Glu Ser Asp Tyr Met Ala Ala Ser		
680	685	690
Ser Gln Leu Arg Leu Thr Glu Gln His Phe Ile Glu Leu Asp Glu		
695	700	705
Asn Arg Gln Arg Leu Leu Gln Lys Cys Lys Glu Leu Met Lys Arg		
710	715	720
Ala Arg Gln Val Cys Asn Leu Gly Ala Glu Gln Thr Leu Pro Gln		
725	730	735
Glu Tyr Gln Thr Gln Val Pro Thr Ile Pro Asn Gly His Asn Ser		
740	745	750
Ser Leu Pro Met Val Phe Gln Asp Leu Pro Asn Thr Leu Asp Glu		
755	760	765
Ile Asp Ala Leu Leu Thr Glu Glu Arg Ser Arg Ala Ser Cys Phe		
770	775	780
Thr Gly Leu Asn Pro Thr Ile Val Gln Glu Tyr Thr Lys Arg Glu		
785	790	795
Glu Glu Ile Glu Gln Leu Thr Glu Glu Leu Lys Gly Lys Lys Val		
800	805	810
Glu Leu Asp Gln Tyr Arg Glu Asn Ile Ser Gln Val Lys Glu Arg		
815	820	825
Trp Leu Asn Pro Leu Lys Glu Leu Val Glu Lys Ile Asn Glu Lys		
830	835	840
Phe Ser Asn Phe Phe Ser Ser Met Gln Cys Ala Gly Glu Val Asp		
845	850	855
Leu His Thr Glu Asn Glu Glu Asp Tyr Asp Lys Tyr Gly Ile Arg		
860	865	870
Ile Arg Val Lys Phe Arg Ser Ser Thr Gln Leu His Glu Leu Thr		
875	880	885
Pro His His Gln Ser Gly Gly Glu Arg Ser Val Ser Thr Met Leu		
890	895	900
Tyr Leu Met Ala Leu Gln Glu Leu Asn Arg Cys Pro Phe Arg Val		
905	910	915
Val Asp Glu Ile Asn Gln Gly Met Asp Pro Ile Asn Glu Arg Arg		
920	925	930
Val Phe Glu Met Val Val Asn Thr Ala Cys Lys Glu Asn Thr Ser		
935	940	945
Gln Tyr Phe Phe Ile Thr Pro Lys Leu Leu Gln Asn Leu Pro Tyr		
950	955	960
Ser Glu Lys Met Thr Val Leu Phe Val Tyr Asn Gly Pro His Met		
965	970	975
Leu Glu Pro Asn Thr Trp Asn Leu Lys Ala Phe Gln Arg Arg Arg		
980	985	990
Arg Arg Ile Thr Phe Thr Gln Pro Ser		

<210> 39
<211> 377
<212> PRT
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 2762174CD1

<400> 39
Met Ala Glu Leu Glu Ser His Pro Cys Asp Ile Cys Gly Pro Ile
1 5 10 15
Leu Lys Asp Thr Leu His Leu Ala Lys Tyr His Gly Gly Lys Ala
20 25 30
Arg Gln Lys Pro Tyr Leu Cys Gly Ala Cys Gly Lys Gln Phe Trp
35 40 45
Phe Ser Thr Asp Phe Asp Gln His Gln Asn Gln Pro Asn Gly Gly
50 55 60
Lys Leu Phe Pro Arg Lys Glu Gly Arg Asp Ser Val Lys Ser Cys
65 70 75
Arg Val His Val Pro Glu Lys Thr Leu Thr Cys Gly Lys Gly Arg
80 85 90
Arg Asp Phe Ser Ala Thr Ser Gly Leu Leu Gln His Gln Ala Ser
95 100 105
Leu Ser Ser Met Lys Pro His Lys Ser Thr Lys Leu Val Ser Gly
110 115 120
Phe Leu Met Gly Gln Arg Tyr His Arg Cys Gly Glu Cys Gly Lys
125 130 135
Ala Phe Thr Arg Lys Asp Thr Leu Ala Arg His Gln Arg Ile His
140 145 150
Thr Gly Glu Arg Pro Tyr Glu Cys Asn Glu Cys Gly Lys Phe Phe
155 160 165
Ser Gln Ser Tyr Asp Leu Phe Lys His Gln Thr Val His Thr Gly
170 175 180
Glu Arg Pro Tyr Glu Cys Ser Glu Cys Gly Lys Phe Phe Arg Gln
185 190 195
Ile Ser Gly Leu Ile Glu His Arg Arg Val His Thr Gly Glu Arg
200 205 210
Leu Tyr Gln Cys Gly Lys Cys Gly Lys Phe Phe Ser Ser Lys Ser
215 220 225
Asn Leu Ile Arg His Gln Glu Val His Thr Gly Ala Arg Pro Tyr
230 235 240
Val Cys Ser Glu Cys Gly Lys Glu Phe Ser Arg Lys His Thr Leu
245 250 255
Val Leu His Gln Arg Thr His Thr Gly Glu Arg Pro Tyr Glu Cys
260 265 270
Ser Glu Cys Gly Lys Ala Phe Ser Gln Ser Ser His Leu Asn Val
275 280 285
His Trp Arg Ile His Ser Ser Asp Tyr Glu Cys Ser Arg Cys Gly
290 295 300
Lys Ala Phe Ser Cys Ile Ser Lys Leu Ile Gln His Gln Lys Val
305 310 315

His	Ser	Gly	Glu	Lys	Pro	Tyr	Glu	Cys	Ser	Lys	Cys	Gly	Lys	Ala
320									325					330
Phe	Thr	Gln	Arg	Pro	Asn	Leu	Ile	Arg	His	Trp	Lys	Val	His	Thr
335									340					345
Gly	Glu	Arg	Pro	Tyr	Val	Cys	Ser	Glu	Cys	Gly	Arg	Glu	Phe	Ile
350									355					360
Arg	Lys	Gln	Thr	Leu	Val	Leu	His	Gln	Arg	Val	His	Ala	Gly	Glu
									365					375
Lys	Leu													

<210> 40

<211> 324

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 2765991CD1

<400> 40

Met	Asp	Phe	Pro	Lys	His	Asn	Gln	Ile	Ile	Thr	Glu	Glu	Thr	Gly
1								5		10			15	
Ser	Ala	Val	Glu	Pro	Ser	Asp	Glu	Ile	Lys	Arg	Ala	Ser	Gly	Asp
								20		25			30	
Val	Gln	Thr	Met	Lys	Ile	Ser	Ser	Val	Pro	Asn	Ser	Leu	Ser	Lys
								35		40			45	
Arg	Asn	Val	Ser	Leu	Thr	Arg	Ser	His	Ser	Val	Gly	Gly	Pro	Leu
								50		55			60	
Gln	Asn	Ile	Asp	Phe	Thr	Gln	Arg	Pro	Phe	His	Gly	Ile	Ser	Thr
								65		70			75	
Val	Ser	Leu	Pro	Gly	Ser	Leu	Gln	Glu	Val	Val	Asp	Pro	Leu	Gly
								80		85			90	
Lys	Arg	Pro	Asn	Pro	Pro	Pro	Val	Ser	Val	Pro	Tyr	Leu	Ser	Pro
								95		100			105	
Leu	Val	Leu	Arg	Lys	Glu	Leu	Glu	Ser	Leu	Leu	Glu	Asn	Glu	Gly
								110		115			120	
Asp	Gln	Val	Ile	His	Thr	Ser	Ser	Phe	Ile	Asn	Gln	His	Pro	Ile
								125		130			135	
Ile	Phe	Trp	Asn	Leu	Val	Trp	Tyr	Phe	Arg	Arg	Leu	Asp	Leu	Pro
								140		145			150	
Ser	Asn	Leu	Pro	Gly	Leu	Ile	Leu	Thr	Ser	Glu	His	Cys	Asn	Glu
								155		160			165	
Gly	Val	Gln	Leu	Pro	Leu	Ser	Ser	Leu	Ser	Gln	Asp	Ser	Lys	Leu
								170		175			180	
Val	Tyr	Ile	Arg	Leu	Leu	Trp	Asp	Asn	Ile	Asn	Leu	His	Gln	Glu
								185		190			195	
Pro	Arg	Glu	Pro	Leu	Tyr	Val	Ser	Trp	Arg	Asn	Phe	Asn	Ser	Glu
								200		205			210	
Lys	Lys	Ser	Ser	Leu	Leu	Ser	Glu	Glu	Gln	Gln	Glu	Thr	Ser	Thr
								215		220			225	
Leu	Val	Glu	Thr	Ile	Arg	Gln	Ser	Ile	Gln	His	Asn	Asn	Val	Leu
								230		235			240	
Lys	Pro	Ile	Asn	Leu	Leu	Ser	Gln	Gln	Met	Lys	Pro	Gly	Met	Lys

245	250	255
Arg Gln Arg Ser	Leu Tyr Arg Glu Ile	Leu Phe Leu Ser Leu Val
260	265	270
Ser Leu Gly Arg	Glu Asn Ile Asp Ile	Glu Ala Phe Asp Asn Glu
275	280	285
Tyr Gly Ile Ala	Tyr Asn Ser Leu Ser	Ser Glu Ile Leu Glu Arg
290	295	300
Leu Gln Lys Ile	Asp Ala Pro Pro Ser	Ala Ser Val Glu Trp Cys
305	310	315
Arg Lys Cys Phe	Gly Ala Pro Leu Ile	
320		

<210> 41

<211> 270

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 2775157CD1

<400> 41

Met Pro Cys Pro Met	Leu Leu Pro Ser Gly Lys Val Ile Asp Gln		
1	5	10	15
Ser Thr Leu Glu Lys	Cys Asn Arg Ser Glu Ala Thr Trp Gly Arg		
20	25	30	
Val Pro Ser Asp Pro	Phe Thr Gly Val Ala Phe Thr Pro His Ser		
35	40	45	
Gln Pro Leu Pro His	Pro Ser Leu Lys Ala Arg Ile Asp His Phe		
50	55	60	
Leu Leu Gln His Ser	Ile Pro Gly Cys His Leu Leu Gly Arg Ala		
65	70	75	
Gln Thr Ala Leu Ala	Val Ile Pro Ser Ser Ile Val Leu Pro Ser		
80	85	90	
Gln Lys Arg Lys Ile	Glu Gln Ala Glu His Val Pro Asp Ser Asn		
95	100	105	
Phe Gly Val Asn Ala	Ser Cys Phe Ser Ala Thr Ser Pro Leu Val		
110	115	120	
Leu Pro Thr Thr Ser	Glu His Thr Ala Lys Lys Met Lys Ala Thr		
125	130	135	
Asn Glu Pro Ser Leu	Thr His Met Asp Cys Ser Thr Gly Pro Leu		
140	145	150	
Ser His Glu Gln Lys	Leu Ser Gln Ser Leu Glu Ile Ala Leu Ala		
155	160	165	
Ser Thr Leu Gly Ser	Met Pro Ser Phe Thr Ala Arg Leu Thr Arg		
170	175	180	
Gly Gln Leu Gln His	Leu Gly Thr Arg Gly Ser Asn Thr Ser Trp		
185	190	195	
Arg Pro Gly Thr Gly	Ser Glu Gln Pro Gly Ser Ile Leu Gly Pro		
200	205	210	
Glu Cys Ala Ser Cys	Lys Arg Val Phe Ser Pro Tyr Phe Lys Lys		
215	220	225	
Glu Pro Val Tyr Gln	Leu Pro Cys Gly His Leu Leu Cys Arg Pro		
230	235	240	

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Cys	Leu	Gly	Glu	Lys	Gln	Arg	Ser	Leu	Pro	Met	Thr	Cys	Thr	Ala
245									250					255
Cys	Gln	Arg	Pro	Val	Ala	Ser	Gln	Asp	Val	Leu	Arg	Val	His	Phe
260									265					270

<210> 42
<211> 252
<212> PRT
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 2918375CD1

<400> 42

Met	Leu	Arg	Lys	Gly	Ile	Cys	Glu	Tyr	His	Glu	Lys	Asn	Tyr	Ala
1				5					10					15
Ala	Ala	Leu	Glu	Thr	Phe	Thr	Glu	Gly	Gln	Lys	Leu	Asp	Ser	Ala
				20					25					30
Asp	Ala	Asn	Phe	Ser	Val	Trp	Ile	Lys	Arg	Cys	Gln	Glu	Ala	Gln
				35					40					45
Asn	Gly	Ser	Glu	Ser	Glu	Val	Trp	Thr	His	Gln	Ser	Lys	Ile	Lys
				50					55					60
Tyr	Asp	Trp	Tyr	Gln	Thr	Glu	Ser	Gln	Val	Val	Ile	Thr	Leu	Met
				65					70					75
Ile	Lys	Asn	Val	Gln	Lys	Asn	Asp	Val	Asn	Val	Glu	Phe	Ser	Glu
				80					85					90
Lys	Glu	Leu	Ser	Ala	Leu	Val	Lys	Leu	Pro	Ser	Gly	Glu	Asp	Tyr
				95					100					105
Asn	Leu	Lys	Leu	Glu	Leu	Leu	His	Pro	Ile	Ile	Pro	Glu	Gln	Ser
				110					115					120
Thr	Phe	Lys	Val	Leu	Ser	Thr	Lys	Ile	Glu	Ile	Lys	Leu	Lys	Lys
				125					130					135
Pro	Glu	Ala	Val	Arg	Trp	Glu	Lys	Leu	Glu	Gly	Gln	Gly	Asp	Val
				140					145					150
Pro	Thr	Pro	Lys	Gln	Phe	Val	Ala	Asp	Val	Lys	Asn	Leu	Tyr	Pro
				155					160					165
Ser	Ser	Ser	Pro	Tyr	Thr	Arg	Asn	Trp	Asp	Lys	Leu	Val	Gly	Glu
				170					175					180
Ile	Lys	Glu	Glu	Lys	Asn	Glu	Lys	Leu	Glu	Gly	Asp	Ala	Ala	
				185					190					195
Leu	Asn	Arg	Leu	Phe	Gln	Gln	Ile	Tyr	Ser	Asp	Gly	Ser	Asp	Glu
				200					205					210
Val	Lys	Arg	Ala	Met	Asn	Lys	Ser	Phe	Met	Glu	Ser	Gly	Gly	Thr
				215					220					225
Val	Leu	Ser	Thr	Asn	Trp	Ser	Asp	Val	Gly	Lys	Arg	Lys	Val	Glu
				230					235					240
Ile	Asn	Pro	Pro	Asp	Asp	Met	Glu	Trp	Lys	Lys	Tyr			
				245					250					

<210> 43
<211> 228
<212> PRT

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<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 3149729CD1

<400> 43

Met	Thr	Met	Gly	Asp	Lys	Lys	Ser	Pro	Thr	Arg	Pro	Lys	Arg	Gln
1					5				10				15	
Ala	Lys	Pro	Ala	Ala	Asp	Glu	Gly	Phe	Trp	Asp	Cys	Ser	Val	Cys
						20				25				30
Thr	Phe	Arg	Asn	Ser	Ala	Glu	Ala	Phe	Lys	Cys	Ser	Ile	Cys	Asp
						35				40				45
Val	Arg	Lys	Gly	Thr	Ser	Thr	Arg	Lys	Pro	Arg	Ile	Asn	Ser	Gln
						50				55				60
Leu	Val	Ala	Gln	Gln	Val	Ala	Gln	Gln	Tyr	Ala	Thr	Pro	Pro	Pro
						65				70				75
Pro	Lys	Lys	Glu	Lys	Lys	Glu	Lys	Val	Glu	Lys	Gln	Asp	Lys	Glu
						80				85				90
Lys	Pro	Glu	Lys	Asp	Lys	Glu	Ile	Ser	Pro	Ser	Val	Thr	Lys	Lys
						95				100				105
Asn	Thr	Asn	Lys	Lys	Thr	Lys	Pro	Lys	Ser	Asp	Ile	Leu	Lys	Asp
						110				115				120
Pro	Pro	Ser	Glu	Ala	Asn	Ser	Ile	Gln	Ser	Ala	Asn	Ala	Thr	Thr
						125				130				135
Lys	Thr	Ser	Glu	Thr	Asn	His	Thr	Ser	Arg	Pro	Arg	Leu	Lys	Asn
						140				145				150
Val	Asp	Arg	Ser	Thr	Ala	Gln	Gln	Leu	Ala	Val	Thr	Val	Gly	Asn
						155				160				165
Val	Thr	Val	Ile	Ile	Thr	Asp	Phe	Lys	Glu	Lys	Thr	Arg	Ser	Ser
						170				175				180
Ser	Thr	Ser	Ser	Ser	Thr	Val	Thr	Ser	Ser	Ala	Gly	Ser	Glu	Gln
						185				190				195
Gln	Asn	Gln	Ser	Ser	Ser	Gly	Ser	Glu	Ser	Thr	Asp	Lys	Gly	Ser
						200				205				210
Ser	Arg	Ser	Ser	Thr	Pro	Lys	Gly	Asp	Met	Ser	Ala	Val	Asn	Asp
						215				220				225
Glu	Ser	Phe												

<210> 44

<211> 117

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 3705895CD1

<400> 44

Met	Ala	Ala	Ala	Ala	Ala	Gly	Ser	Gly	Thr	Pro	Arg	Glu	Glu	
1						5			10			15		
Glu	Gly	Pro	Ala	Gly	Glu	Ala	Ala	Ala	Ser	Gln	Pro	Gln	Ala	Pro
						20				25			30	

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Thr	Ser	Val	Pro	Gly	Ala	Arg	Leu	Ser	Arg	Leu	Pro	Leu	Ala	Arg
					35				40					45
Val	Lys	Ala	Leu	Val	Lys	Ala	Asp	Pro	Asp	Val	Thr	Leu	Ala	Gly
					50				55					60
Gln	Glu	Ala	Ile	Phe	Ile	Leu	Ala	Arg	Ala	Ala	Glu	Leu	Phe	Val
					65				70					75
Glu	Thr	Ile	Ala	Lys	Asp	Ala	Tyr	Cys	Cys	Ala	Gln	Gln	Gly	Lys
					80				85					90
Arg	Lys	Thr	Leu	Gln	Arg	Arg	Asp	Leu	Asp	Asn	Ala	Ile	Glu	Ala
					95				100					105
Val	Asp	Glu	Phe	Ala	Phe	Leu	Glu	Gly	Thr	Leu	Asp			
					110				115					

<210> 45

<211> 252

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 003256CD1

<400> 45

Met	Thr	Pro	Lys	Leu	Gly	Arg	Gly	Val	Leu	Glu	Gly	Asp	Asp	Val
1				5					10					15
Leu	Phe	Tyr	Asp	Glu	Ser	Pro	Pro	Pro	Arg	Pro	Lys	Leu	Ser	Ala
						20				25				30
Leu	Ala	Glu	Ala	Lys	Lys	Leu	Ala	Ala	Ile	Thr	Lys	Leu	Arg	Ala
						35				40				45
Lys	Gly	Gln	Val	Leu	Thr	Lys	Thr	Asn	Pro	Asn	Ser	Ile	Lys	Lys
					50				55					60
Lys	Gln	Lys	Asp	Pro	Gln	Asp	Ile	Leu	Glu	Val	Lys	Glu	Arg	Val
					65				70					75
Glu	Lys	Asn	Thr	Met	Phe	Ser	Ser	Gln	Ala	Glu	Asp	Glu	Leu	Glu
					80				85					90
Pro	Ala	Arg	Lys	Lys	Arg	Arg	Glu	Gln	Leu	Ala	Tyr	Leu	Glu	Ser
					95				100					105
Glu	Glu	Phe	Gln	Lys	Ile	Leu	Lys	Ala	Lys	Ser	Lys	His	Thr	Gly
					110				115					120
Ile	Leu	Lys	Glu	Ala	Glu	Ala	Glu	Met	Gln	Glu	Arg	Tyr	Phe	Glu
					125				130					135
Pro	Leu	Val	Lys	Lys	Glu	Gln	Met	Glu	Glu	Lys	Met	Arg	Asn	Ile
					140				145					150
Arg	Glu	Val	Lys	Cys	Arg	Val	Val	Thr	Cys	Lys	Thr	Cys	Ala	Tyr
					155				160					165
Thr	His	Phe	Lys	Leu	Leu	Glu	Thr	Cys	Val	Ser	Glu	Gln	His	Glu
					170				175					180
Tyr	His	Trp	His	Asp	Gly	Val	Lys	Arg	Phe	Phe	Lys	Cys	Pro	Cys
					185				190					195
Gly	Asn	Arg	Ser	Ile	Ser	Leu	Asp	Arg	Leu	Pro	Asn	Lys	His	Cys
					200				205					210
Ser	Asn	Cys	Gly	Leu	Tyr	Lys	Trp	Glu	Arg	Asp	Gly	Met	Leu	Lys
					215				220					225
Glu	Lys	Thr	Gly	Pro	Lys	Ile	Gly	Gly	Glu	Thr	Leu	Leu	Pro	Arg

230	235	240
Gly Glu Glu His Ala Lys Phe Leu Asn Ser Leu Lys		
245	250	

<210> 46

<211> 530

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 156986CD1

<400> 46

Met Ala Lys Gly Glu Gly Ala Glu Ser Gly Ser Ala Ala Gly Leu			
1	5	10	15
Leu Pro Thr Ser Ile Leu Gln Ser Thr Glu Arg Pro Ala Gln Val			
20	25	30	
Lys Lys Glu Pro Lys Lys Lys Gln Gln Leu Ser Val Cys Asn			
35	40	45	
Lys Leu Cys Tyr Ala Leu Gly Gly Ala Pro Tyr Gln Val Thr Gly			
50	55	60	
Cys Ala Leu Gly Phe Phe Leu Gln Ile Tyr Leu Leu Asp Val Ala			
65	70	75	
Gln Val Gly Pro Phe Ser Ala Ser Ile Ile Leu Phe Val Gly Arg			
80	85	90	
Ala Trp Asp Ala Ile Thr Asp Pro Leu Val Gly Leu Cys Ile Ser			
95	100	105	
Lys Ser Pro Trp Thr Cys Leu Gly Arg Leu Met Pro Trp Ile Ile			
110	115	120	
Phe Ser Thr Pro Leu Ala Val Ile Ala Tyr Phe Leu Ile Trp Phe			
125	130	135	
Val Pro Asp Phe Pro His Gly Gln Thr Tyr Trp Tyr Leu Leu Phe			
140	145	150	
Tyr Cys Leu Phe Glu Thr Met Val Thr Cys Phe His Val Pro Tyr			
155	160	165	
Ser Ala Leu Thr Met Phe Ile Ser Thr Glu Gln Thr Glu Arg Asp			
170	175	180	
Ser Ala Thr Ala Tyr Arg Met Thr Val Glu Val Leu Gly Thr Val			
185	190	195	
Leu Gly Thr Ala Ile Gln Gly Gln Ile Val Gly Gln Ala Asp Thr			
200	205	210	
Pro Cys Phe Gln Asp Leu Asn Ser Ser Thr Val Ala Ser Gln Ser			
215	220	225	
Ala Asn His Thr His Gly Thr Thr Ser His Arg Glu Thr Gln Lys			
230	235	240	
Ala Tyr Leu Leu Ala Ala Gly Val Ile Val Cys Ile Tyr Ile Ile			
245	250	255	
Cys Ala Val Ile Leu Ile Leu Gly Val Arg Glu Gln Arg Glu Pro			
260	265	270	
Tyr Glu Ala Gln Gln Ser Glu Pro Ile Ala Tyr Phe Arg Gly Leu			
275	280	285	
Arg Leu Val Met Ser His Gly Pro Tyr Ile Lys Leu Ile Thr Gly			
290	295	300	

Phe Leu Phe Thr Ser Leu Ala Phe Met Leu Val Glu Gly Asn Phe
 305 310 315
 Val Leu Phe Cys Thr Tyr Thr Leu Gly Phe Arg Asn Glu Phe Gln
 320 325 330
 Asn Leu Leu Leu Ala Ile Met Leu Ser Ala Thr Leu Thr Ile Pro
 335 340 345
 Ile Trp Gln Trp Phe Leu Thr Arg Phe Gly Lys Lys Thr Ala Val
 350 355 360
 Tyr Val Gly Ile Ser Ser Ala Val Pro Phe Leu Ile Leu Val Ala
 365 370 375
 Leu Met Glu Ser Asn Leu Ile Ile Thr Tyr Ala Val Ala Val Ala
 380 385 390
 Ala Gly Ile Ser Val Ala Ala Ala Phe Leu Leu Pro Trp Ser Met
 395 400 405
 Leu Pro Asp Val Ile Asp Asp Phe His Leu Lys Gln Pro His Phe
 410 415 420
 His Gly Thr Glu Pro Ile Phe Phe Ser Phe Tyr Val Phe Phe Thr
 425 430 435
 Lys Phe Ala Ser Gly Val Ser Leu Gly Ile Ser Thr Leu Ser Leu
 440 445 450
 Asp Phe Ala Gly Tyr Gln Thr Arg Gly Cys Ser Gln Pro Glu Arg
 455 460 465
 Val Lys Phe Thr Leu Asn Met Leu Val Thr Met Ala Pro Ile Val
 470 475 480
 Leu Ile Leu Leu Gly Leu Leu Leu Phe Lys Met Tyr Pro Ile Asp
 485 490 495
 Glu Glu Arg Arg Gln Asn Lys Lys Ala Leu Gln Ala Leu Arg
 500 505 510
 Asp Glu Ala Ser Ser Ser Gly Cys Ser Glu Thr Asp Ser Thr Glu
 515 520 525
 Leu Ala Ser Ile Leu
 530

<210> 47
 <211> 355
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte ID No: 319415CDI

<400> 47

Met	Gly	Cys	Val	Phe	Gln	Ser	Thr	Glu	Asp	Lys	Cys	Ile	Phe	Lys
1														
Ile	Asp	Trp	Thr	Leu	Ser	Pro	Gly	Glu	His	Ala	Lys	Asp	Glu	Tyr
20														
Val	Leu	Tyr	Tyr	Ser	Asn	Leu	Ser	Val	Pro	Ile	Gly	Arg	Phe	
35														
Gln	Asn	Arg	Val	His	Leu	Met	Gly	Asp	Ile	Leu	Cys	Asn	Asp	Gly
50														
Ser	Leu	Leu	Leu	Gln	Asp	Val	Gln	Glu	Ala	Asp	Gln	Gly	Thr	Tyr
65														
Ile	Cys	Glu	Ile	Arg	Leu	Lys	Gly	Glu	Ser	Gln	Val	Phe	Lys	Lys

80	85	90
Ala Val Val Leu His Val Leu Pro Glu	Glu Pro Lys Glu Leu	Met
95	100	105
Val His Val Gly Gly Leu Ile Gln Met	Gly Cys Val Phe Gln	Ser
110	115	120
Thr Glu Val Lys His Val Thr Lys Val	Glu Trp Ile Phe Ser	Gly
125	130	135
Arg Arg Ala Lys Glu Glu Ile Val Phe	Arg Tyr Tyr His Lys	Leu
140	145	150
Arg Met Ser Val Glu Tyr Ser Gln Ser	Trp Gly His Phe Gln	Asn
155	160	165
Arg Val Asn Leu Val Gly Asp Ile Phe	Arg Asn Asp Gly	Ser Ile
170	175	180
Met Leu Gln Gly Val Arg Glu Ser Asp	Gly Gly Asn Tyr Thr	Cys
185	190	195
Ser Ile His Leu Gly Asn Leu Val Phe	Lys Lys Thr Ile Val	Leu
200	205	210
His Val Ser Pro Glu Glu Pro Arg Thr	Leu Val Thr Pro Ala	Ala
215	220	225
Leu Arg Pro Leu Val Leu Gly Gly Asn	Gln Leu Val Ile Ile	Val
230	235	240
Gly Ile Val Cys Ala Thr Ile Leu Leu	Leu Pro Val Leu Ile	Leu
245	250	255
Ile Val Lys Lys Thr Cys Gly Asn Lys	Ser Ser Val Asn Ser	Thr
260	265	270
Val Leu Val Lys Asn Thr Lys Lys Thr	Asn Pro Glu Ile Lys	Glu
275	280	285
Lys Pro Cys His Phe Glu Arg Cys Glu	Gly Glu Lys His Ile	Tyr
290	295	300
Ser Pro Ile Ile Val Arg Glu Val Ile	Glu Glu Glu Pro	Ser
305	310	315
Glu Lys Ser Glu Ala Thr Tyr Met Thr	Met His Pro Val Trp	Pro
320	325	330
Ser Leu Arg Ser Asp Arg Asn Asn Ser	Leu Glu Lys Lys Ser	Gly
335	340	345
Gly Gly Met Pro Lys Thr Gln Gln Ala	Phe	
350	355	

<210> 48
 <211> 136
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte ID No: 635581CD1

<400> 48
 Met Val Gly Gln Thr Glu Asp Asp Thr Ala Gln Gln Leu Val Pro
 1 5 10 15
 Thr Cys Gly Met Lys Gly Val Gly Glu Arg Ile Val Glu Tyr Val
 20 25 30
 Ser Asn Ile Pro Ala Leu Gln Arg Ala Thr Pro Lys Gly Leu Ala
 35 40 45

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Ser Val Ser Pro Asp Leu Glu His Arg Gln Glu Trp Thr Tyr Ser
50 55 60
Lys Ser Pro Leu Met Gly Lys Gly Thr Arg Leu Glu Ala Ser Glu
65 70 75
Asn Lys Arg Ala Gly Trp Leu Ala Ala Pro Glu Asn Leu Lys
80 85 90
Tyr His Arg Gln Ile Ala Gln Gly Ala Lys Asp Tyr Glu Ile Leu
95 100 105
Lys Lys Glu Thr Asn Lys Phe Ile Leu Arg Ile Tyr Thr His Trp
110 115 120
Ser Arg Arg Ser Ile Leu Arg Lys Gly Ser Lys Gly Met Gln Asn
125 130 135
Leu

<210> 49
<211> 230
<212> PRT
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 921803CD1

<400> 49
Met Lys Leu Ile Val Gly Ile Gly Gly Met Thr Asn Gly Gly Lys
1 5 10 15
Thr Thr Leu Thr Asn Ser Leu Leu Arg Ala Leu Pro Asn Cys Cys
20 25 30
Val Ile His Gln Asp Asp Phe Phe Lys Pro Gln Asp Gln Ile Ala
35 40 45
Val Gly Glu Asp Gly Phe Lys Gln Trp Asp Val Leu Glu Ser Leu
50 55 60
Asp Met Glu Ala Met Leu Asp Thr Val Gln Ala Trp Leu Ser Ser
65 70 75
Pro Gln Lys Phe Ala Arg Ala His Gly Val Ser Val Gln Pro Glu
80 85 90
Ala Ser Asp Thr His Ile Leu Leu Leu Glu Gly Phe Leu Leu Tyr
95 100 105
Ser Tyr Lys Pro Leu Val Asp Leu Tyr Ser Arg Arg Tyr Phe Leu
110 115 120
Thr Val Pro Tyr Glu Glu Cys Lys Trp Arg Arg Ser Thr Arg Asn
125 130 135
Tyr Thr Val Pro Asp Pro Pro Gly Leu Phe Asp Gly His Val Trp
140 145 150
Pro Met Tyr Gln Lys Tyr Arg Gln Glu Met Glu Ala Asn Gly Val
155 160 165
Glu Val Val Tyr Leu Asp Gly Met Lys Ser Arg Glu Glu Leu Phe
170 175 180
Arg Glu Val Leu Glu Asp Ile Gln Asn Ser Leu Leu Asn Arg Ser
185 190 195
Gln Glu Ser Ala Pro Ser Pro Ala Arg Pro Ala Arg Thr Gln Gly
200 205 210
Pro Gly Arg Gly Cys Gly His Arg Thr Ala Arg Pro Ala Ala Ser

215	220	225
Gln Gln Asp Ser Met		
230		

<210> 50

<211> 70

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 1250492CD1

<400> 50

Met Thr Ile Lys Leu Arg Pro Leu Pro Phe Phe Lys Pro Lys Ser			
1	5	10	15
Gly Asn Gln Glu Gln Gln Leu His Gly Leu Leu Ala Pro Asp Gln			
20	25		30
Pro Gly Ser Gly Asp Ile Val Ser Leu Phe Gly Asn Cys Arg Pro			
35	40		45
Gln Gly Val Gly Leu Ser His Phe Leu Val Leu Pro Thr Phe Pro			
50	55		60
Ile Arg Ala Ser Ser Arg Gly Gln Val Cys			
65	70		

<210> 51

<211> 169

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 1427838CD1

<400> 51

Met Leu Ala Phe Ser Glu Met Pro Lys Pro Pro Asp Tyr Ser Glu			
1	5	10	15
Leu Ser Asp Ser Leu Thr Leu Ala Val Gly Thr Gly Arg Phe Ser			
20	25		30
Gly Pro Leu His Arg Ala Trp Arg Met Met Asn Phe Arg Gln Arg			
35	40		45
Met Gly Trp Ile Gly Val Gly Leu Tyr Leu Leu Ala Ser Ala Ala			
50	55		60
Ala Phe Tyr Tyr Val Phe Glu Ile Ser Glu Thr Tyr Asn Arg Leu			
65	70		75
Ala Leu Glu His Ile Gln Gln His Pro Glu Glu Pro Leu Glu Gly			
80	85		90
Thr Thr Trp Thr His Ser Leu Lys Ala Gln Leu Leu Ser Leu Pro			
95	100		105
Phe Trp Val Trp Thr Val Ile Phe Leu Val Pro Tyr Leu Gln Met			
110	115		120
Phe Leu Phe Leu Tyr Ser Cys Thr Arg Ala Asp Pro Lys Thr Val			
125	130		135
Gly Tyr Cys Ile Ile Pro Ile Cys Leu Ala Val Ile Cys Asn Arg			

140	145	150
His Gln Ala Phe Val Lys Ala Ser Asn Gln	Ile Ser Arg Leu Gln	
155	160	165
Leu Ile Asp Thr		

<210> 52
 <211> 359
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte ID No: 1448258CD1

<400> 52		
Met Gly Pro Thr Lys Phe Thr Gln Thr Asn Ile Gly Ile Ile Glu		
1 5 10 15		
Asn Lys Leu Leu Glu Ala Pro Asp Val Leu Cys Leu Arg Leu Ser		
20 25 30		
Thr Glu Gln Cys Gln Ala His Glu Glu Lys Gly Ile Glu Glu Leu		
35 40 45		
Ser Asp Pro Ser Gly Pro Lys Ser Tyr Ser Ile Thr Glu Lys His		
50 55 60		
Tyr Ala Gln Glu Asp Pro Arg Met Leu Phe Val Ala Ala Val Asp		
65 70 75		
His Ser Ser Ser Gly Asp Met Ser Leu Leu Pro Ser Ser Asp Pro		
80 85 90		
Lys Phe Gln Gly Leu Gly Val Val Glu Ser Ala Val Thr Ala Asn		
95 100 105		
Asn Thr Glu Glu Ser Leu Phe Arg Ile Cys Ser Pro Leu Ser Gly		
110 115 120		
Ala Asn Glu Tyr Ile Ala Ser Thr Asp Thr Leu Lys Thr Glu Glu		
125 130 135		
Val Leu Leu Phe Thr Asp Gln Thr Asp Asp Leu Ala Lys Glu Glu		
140 145 150		
Pro Thr Ser Leu Phe Gln Arg Asp Ser Glu Thr Lys Gly Glu Ser		
155 160 165		
Gly Leu Val Leu Glu Gly Asp Lys Glu Ile His Gln Ile Phe Glu		
170 175 180		
Asp Leu Asp Lys Lys Leu Ala Leu Ala Ser Arg Phe Tyr Ile Pro		
185 190 195		
Glu Gly Cys Ile Gln Arg Trp Ala Ala Glu Met Val Val Ala Leu		
200 205 210		
Asp Ala Leu His Arg Glu Gly Ile Val Cys Arg Asp Leu Asn Pro		
215 220 225		
Asn Asn Ile Leu Leu Asn Asp Arg Gly His Ile Gln Leu Thr Tyr		
230 235 240		
Phe Ser Arg Trp Ser Glu Val Glu Asp Ser Cys Asp Ser Asp Ala		
245 250 255		
Ile Glu Arg Met Tyr Cys Ala Pro Glu Val Gly Ala Ile Thr Glu		
260 265 270		
Glu Thr Glu Ala Cys Asp Trp Trp Ser Leu Gly Ala Val Leu Phe		
275 280 285		

Glu	Leu	Leu	Thr	Gly	Lys	Thr	Leu	Val	Glu	Cys	His	Pro	Ala	Gly
									295					300
290														
Ile	Asn	Thr	His	Thr	Thr	Leu	Asn	Met	Pro	Glu	Cys	Val	Ser	Glu
									310					315
305														
Glu	Ala	Arg	Ser	Leu	Ile	Gln	Gln	Leu	Leu	Gln	Phe	Asn	Pro	Leu
											325			330
320														
Glu	Arg	Leu	Gly	Ala	Gly	Val	Ala	Gly	Val	Glu	Asp	Ile	Lys	Ser
									340					345
335														
His	Pro	Phe	Phe	Thr	Pro	Val	Asp	Trp	Ala	Glu	Leu	Met	Arg	
									355					
350														

<210> 53

<211> 545

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 1645941CD1

<400> 53

Met	Ser	Arg	Lys	Gln	Asn	Gln	Lys	Asp	Ser	Ser	Gly	Phe	Ile	Phe
1				5					10				15	
Asp	Leu	Gln	Ser	Asn	Thr	Val	Leu	Ala	Gln	Gly	Gly	Ala	Phe	Glu
									25				30	
	20													
Asn	Met	Lys	Glu	Lys	Ile	Asn	Ala	Val	Arg	Ala	Ile	Val	Pro	Asn
									40				45	
	35													
Lys	Ser	Asn	Asn	Glu	Ile	Ile	Leu	Val	Leu	Gln	His	Phe	Asp	Asn
									55				60	
	50													
Cys	Val	Asp	Lys	Thr	Val	Gln	Ala	Phe	Met	Glu	Gly	Ser	Ala	Ser
									70				75	
	65													
Glu	Val	Leu	Lys	Glu	Trp	Thr	Val	Thr	Gly	Lys	Lys	Lys	Asn	Lys
									85				90	
	80													
Lys	Lys	Lys	Asn	Lys	Pro	Lys	Pro	Ala	Ala	Glu	Pro	Ser	Asn	Gly
									100				105	
	95													
Ile	Pro	Asp	Ser	Ser	Lys	Ser	Val	Ser	Ile	Gln	Glu	Glu	Gln	Ser
									115				120	
	110													
Ala	Pro	Ser	Ser	Glu	Lys	Gly	Gly	Met	Asn	Gly	Tyr	His	Val	Asn
									130				135	
	125													
Gly	Ala	Ile	Asn	Asp	Thr	Glu	Ser	Val	Asp	Ser	Leu	Ser	Glu	Gly
									145				150	
	140													
Leu	Glu	Thr	Leu	Ser	Ile	Asp	Ala	Arg	Glu	Leu	Glu	Asp	Pro	Glu
									160				165	
	155													
Ser	Ala	Met	Leu	Asp	Thr	Leu	Asp	Arg	Thr	Gly	Ser	Met	Leu	Gln
									175				180	
	170													
Asn	Gly	Val	Ser	Asp	Phe	Glu	Thr	Lys	Ser	Leu	Thr	Met	His	Ser
									190				195	
	185													
Ile	His	Asn	Ser	Gln	Gln	Pro	Arg	Asn	Ala	Ala	Lys	Ser	Leu	Ser
									205				210	
	200													
Arg	Pro	Thr	Thr	Glu	Thr	Gln	Phe	Ser	Asn	Met	Gly	Met	Glu	Asp
									215				225	
	215									220				
Val	Pro	Leu	Ala	Thr	Ser	Lys	Lys	Leu	Ser	Ser	Asn	Ile	Glu	Lys
									230				240	
	230									235				
Ser	Val	Lys	Asp	Leu	Gln	Arg	Cys	Thr	Val	Ser	Leu	Ala	Arg	Tyr

245	250	255
Arg Val Val Val Lys Glu Glu Met Asp	Ala Ser Ile Lys Lys Met	
260	265	270
Lys Gln Ala Phe Ala Glu Leu Glu Ser	Cys Leu Met Asp Arg Glu	
275	280	285
Val Ala Leu Leu Ala Glu Met Asp Lys	Val Lys Ala Glu Ala Met	
290	295	300
Glu Ile Leu Leu Ser Arg Gln Lys Lys	Ala Glu Leu Leu Lys Lys	
305	310	315
Met Thr His Val Ala Val Gln Met Ser	Glu Gln Gln Leu Val Glu	
320	325	330
Leu Arg Ala Asp Ile Lys His Phe Val	Ser Glu Arg Lys Tyr Asp	
335	340	345
Glu Asp Leu Gly Arg Val Ala Arg Phe	Thr Cys Asp Val Glu Thr	
350	355	360
Leu Lys Lys Ser Ile Asp Ser Phe Gly	Gln Val Ser His Pro Lys	
365	370	375
Asn Ser Tyr Ser Thr Arg Ser Arg Cys	Ser Ser Val Thr Ser Val	
380	385	390
Ser Leu Ser Ser Pro Ser Asp Ala Ser	Ala Ala Ser Ser Ser Thr	
395	400	405
Cys Ala Ser Pro Pro Ser Leu Thr Ser	Ala Asn Lys Lys Asn Phe	
410	415	420
Ala Pro Gly Glu Thr Pro Ala Ala Ile	Ala Asn Ser Ser Gly Gln	
425	430	435
Pro Tyr Gln Pro Leu Arg Glu Val Leu	Pro Gly Asn Arg Arg Gly	
440	445	450
Gly Gln Gly Tyr Arg Pro Gln Gly Gln	Lys Ser Asn Asp Pro Met	
455	460	465
Asn Gln Gly Arg His Asp Ser Met Gly	Arg Tyr Arg Asn Ser Ser	
470	475	480
Trp Tyr Ser Ser Gly Ser Arg Tyr Gln	Ser Ala Pro Ser Gln Ala	
485	490	495
Pro Gly Asn Thr Ile Glu Arg Gly Gln	Thr His Ser Ala Gly Thr	
500	505	510
Asn Gly Thr Gly Val Ser Met Glu Pro	Ser Pro Pro Thr Pro Ser	
515	520	525
Phe Lys Lys Gly Leu Pro Gln Arg Lys	Pro Arg Thr Ser Gln Thr	
530	535	540
Glu Ala Val Asn Ser		
545		

<210> 54
 <211> 99
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte ID No: 1646005CD1

<400> 54
 Met Asn Trp Val Ala Val Leu Cys Pro Leu Gly Ile Val Trp Met
 1 5 10 15

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Val Gly Asp Gln Pro Pro Gln Val Leu Ser Gln Ala Ser Ser Leu
20 25 30
Ala Val Tyr Leu Arg Ala Ala Pro Tyr Pro Asp Val Thr Ala Lys
35 40 45
Lys Leu Arg His Asp Thr Asn Cys Gly Phe Pro Arg Gln Gln Arg
50 55 60
Met Ala Arg Gly His Glu Gly Arg Ala Pro Leu Leu Asp Arg Pro
65 70 75
Thr Leu Lys Ser Arg Tyr Leu Arg Ala Asn His Lys Ile Asn Thr
80 85 90
Phe Glu Glu Ile Thr Ala Met Pro Ser
95

<210> 55
<211> 565
<212> PRT
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 1686561CD1

<400> 55
Met Asn Arg Ser Ile Pro Val Glu Val Asp Glu Ser Glu Pro Tyr
1 5 10 15
Pro Ser Gln Leu Leu Lys Pro Ile Pro Glu Tyr Ser Pro Glu Glu
20 25 30
Glu Ser Glu Pro Pro Ala Pro Asn Ile Arg Asn Met Ala Pro Asn
35 40 45
Ser Leu Ser Ala Pro Thr Met Leu His Asn Ser Ser Gly Asp Phe
50 55 60
Ser Gln Ala His Ser Thr Leu Lys Leu Ala Asn His Gln Arg Pro
65 70 75
Val Ser Arg Gln Val Thr Cys Leu Arg Thr Gln Val Leu Glu Asp
80 85 90
Ser Glu Asp Ser Phe Cys Arg Arg His Pro Gly Leu Gly Lys Ala
95 100 105
Phe Pro Ser Gly Cys Ser Ala Val Ser Glu Pro Ala Ser Glu Ser
110 115 120
Val Val Gly Ala Leu Pro Ala Glu His Gln Phe Ser Phe Met Glu
125 130 135
Lys Arg Asn Gln Trp Leu Val Ser Gln Leu Ser Ala Ala Ser Pro
140 145 150
Asp Thr Gly His Asp Ser Asp Lys Ser Asp Gln Ser Leu Pro Asn
155 160 165
Ala Ser Ala Asp Ser Leu Gly Gly Ser Gln Glu Met Val Gln Arg
170 175 180
Pro Gln Pro His Arg Asn Arg Ala Gly Leu Asp Leu Pro Thr Ile
185 190 195
Asp Thr Gly Tyr Asp Ser Gln Pro Gln Asp Val Leu Gly Ile Arg
200 205 210
Gln Leu Glu Arg Pro Leu Pro Leu Thr Ser Val Cys Tyr Pro Gln
215 220 225
Asp Leu Pro Arg Pro Leu Arg Ser Arg Glu Phe Pro Gln Phe Glu

230	235	240
Pro Gln Arg Tyr Pro Ala Cys Ala Gln	Met Leu Pro Pro Asn	Leu
245	250	255
Ser Pro His Ala Pro Trp Asn Tyr His	Tyr His Cys Pro Gly	Ser
260	265	270
Pro Asp His Gln Val Pro Tyr Gly His	Asp Tyr Pro Arg Ala	Ala
275	280	285
Tyr Gln Gln Val Ile Gln Pro Ala Leu	Pro Gly Gln Pro Leu	Pro
290	295	300
Gly Ala Ser Val Arg Gly Leu His Pro	Val Gln Lys Val Ile	Leu
305	310	315
Asn Tyr Pro Ser Pro Trp Asp Gln Glu	Glu Arg Pro Ala Gln	Arg
320	325	330
Asp Cys Ser Phe Pro Gly Leu Pro Arg	His Gln Asp Gln Pro	His
335	340	345
His Gln Pro Pro Asn Arg Ala Gly Ala	Pro Gly Glu Ser Leu	Glu
350	355	360
Cys Pro Ala Glu Leu Arg Pro Gln Val	Pro Gln Pro Pro Ser	Pro
365	370	375
Ala Ala Val Pro Arg Pro Pro Ser Asn	Pro Pro Ala Arg Gly	Thr
380	385	390
Leu Lys Thr Ser Asn Leu Pro Glu Glu	Leu Arg Lys Val Phe	Ile
395	400	405
Thr Tyr Ser Met Asp Thr Ala Met Glu	Val Val Lys Phe Val	Asn
410	415	420
Phe Leu Leu Val Asn Gly Phe Gln Thr	Ala Ile Asp Ile Phe	Glu
425	430	435
Asp Arg Ile Arg Gly Ile Asp Ile Ile	Lys Trp Met Glu Arg	Tyr
440	445	450
Leu Arg Asp Lys Thr Val Met Ile Ile	Val Ala Ile Ser Pro	Lys
455	460	465
Tyr Lys Gln Asp Val Glu Gly Ala Glu	Ser Gln Leu Asp Glu	Asp
470	475	480
Glu His Gly Leu His Thr Lys Tyr Ile	His Arg Met Met Gln	Ile
485	490	495
Glu Phe Ile Lys Gln Gly Ser Met Asn	Phe Arg Phe Ile Pro	Val
500	505	510
Leu Phe Pro Asn Ala Lys Lys Glu His	Val Pro Thr Trp Leu	Gln
515	520	525
Asn Thr His Val Tyr Ser Trp Pro Lys	Asn Lys Lys Asn Ile	Leu
530	535	540
Leu Arg Leu Leu Arg Glu Glu Glu Tyr	Val Ala Pro Pro Arg	Gly
545	550	555
Pro Leu Pro Thr Leu Gln Val Val Pro	Leu	
560	565	

<210> 56
 <211> 197
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte ID No: 1821233CD1

<400> 56

Met	Thr	Pro	Thr	Ser	Ser	Phe	Val	Ser	Pro	Pro	Pro	Pro	Pro	Thr	Ala
1				5				10						15	
Ser	Pro	His	Ser	Asn	Arg	Thr	Thr	Pro	Pro	Glu	Ala	Ala	Gln	Asn	
				20				25						30	
Gly	Gln	Ser	Pro	Met	Ala	Ala	Leu	Ile	Leu	Val	Ala	Asp	Asn	Ala	
				35				40						45	
Gly	Gly	Ser	His	Ala	Ser	Lys	Asp	Ala	Asn	Gln	Val	His	Ser	Thr	
				50				55						60	
Thr	Arg	Arg	Asn	Ser	Asn	Ser	Pro	Pro	Ser	Pro	Ser	Ser	Met	Asn	
				65				70						75	
Gln	Arg	Arg	Leu	Gly	Pro	Arg	Glu	Val	Gly	Gly	Gln	Gly	Ala	Gly	
				80				85						90	
Asn	Thr	Gly	Gly	Leu	Glu	Pro	Val	His	Pro	Ala	Ser	Leu	Pro	Asp	
				95				100						105	
Ser	Ser	Leu	Ala	Thr	Ser	Ala	Pro	Leu	Cys	Cys	Thr	Leu	Cys	His	
				110				115						120	
Glu	Arg	Leu	Glu	Asp	Thr	His	Phe	Val	Gln	Cys	Pro	Ser	Val	Pro	
				125				130						135	
Ser	His	Lys	Phe	Cys	Phe	Pro	Cys	Ser	Arg	Gln	Ser	Ile	Lys	Gln	
				140				145						150	
Gln	Gly	Ala	Ser	Gly	Glu	Val	Tyr	Cys	Pro	Ser	Gly	Glu	Lys	Cys	
				155				160						165	
Pro	Leu	Val	Gly	Ser	Asn	Val	Pro	Trp	Ala	Phe	Met	Gln	Gly	Glu	
				170				175						180	
Ile	Ala	Thr	Ile	Leu	Ala	Gly	Asp	Val	Lys	Val	Lys	Lys	Glu	Arg	
				185				190						195	
Asp	Ser														

<210> 57

<211> 321

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 1877278CD1

<400> 57

Met	Lys	Glu	Asp	Cys	Leu	Pro	Ser	Ser	His	Val	Pro	Ile	Ser	Asp
1				5				10						15
Ser	Lys	Ser	Ile	Gln	Lys	Ser	Glu	Leu	Leu	Gly	Leu	Leu	Lys	Thr
				20				25						30
Tyr	Asn	Cys	Tyr	His	Glu	Gly	Lys	Ser	Phe	Gln	Leu	Arg	His	Arg
				35				40						45
Glu	Glu	Glu	Gly	Thr	Leu	Ile	Ile	Glu	Gly	Leu	Leu	Asn	Ile	Ala
				50				55						60
Trp	Gly	Leu	Arg	Arg	Pro	Ile	Arg	Leu	Gln	Met	Gln	Asp	Asp	Arg
				65				70						75
Glu	Gln	Val	His	Leu	Pro	Ser	Thr	Ser	Trp	Met	Pro	Arg	Arg	Pro
				80				85						90
Ser	Cys	Pro	Leu	Lys	Glu	Pro	Ser	Pro	Gln	Asn	Gly	Asn	Ile	Thr
				95				100						105

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Ala	Gln	Gly	Pro	Ser	Ile	Gln	Pro	Val	His	Lys	Ala	Glu	Ser	Ser
					110				115					120
Thr	Asp	Ser	Ser	Gly	Pro	Leu	Glu	Glu	Ala	Glu	Glu	Ala	Pro	Gln
					125				130					135
Leu	Met	Arg	Thr	Lys	Ser	Asp	Ala	Ser	Cys	Met	Ser	Gln	Arg	Arg
				140				145						150
Pro	Lys	Cys	Arg	Ala	Pro	Gly	Glu	Ala	Gln	Arg	Ile	Arg	Arg	His
				155				160						165
Arg	Phe	Ser	Ile	Asn	Gly	His	Phe	Tyr	Asn	His	Lys	Thr	Ser	Val
				170				175						180
Phe	Thr	Pro	Ala	Tyr	Gly	Ser	Val	Thr	Asn	Val	Arg	Val	Asn	Ser
				185				190						195
Thr	Met	Thr	Thr	Leu	Gln	Val	Leu	Thr	Leu	Leu	Leu	Asn	Lys	Phe
				200				205						210
Arg	Val	Glu	Asp	Gly	Pro	Ser	Glu	Phe	Ala	Leu	Tyr	Ile	Val	His
				215				220						225
Glu	Ser	Gly	Glu	Arg	Thr	Lys	Leu	Lys	Asp	Cys	Glu	Tyr	Pro	Leu
				230				235						240
Ile	Ser	Arg	Ile	Leu	His	Gly	Pro	Cys	Glu	Lys	Ile	Ala	Arg	Ile
				245				250						255
Phe	Leu	Met	Glu	Ala	Asp	Leu	Gly	Val	Glu	Val	Pro	His	Glu	Val
				260				265						270
Ala	Gln	Tyr	Ile	Lys	Phe	Glu	Met	Pro	Val	Leu	Asp	Ser	Phe	Val
				275				280						285
Glu	Lys	Leu	Lys	Glu	Glu	Glu	Glu	Arg	Glu	Ile	Ile	Lys	Leu	Thr
				290				295						300
Met	Lys	Phe	Gln	Ala	Leu	Arg	Leu	Thr	Met	Leu	Gln	Arg	Leu	Glu
				305				310						315
Gln	Leu	Val	Glu	Ala	Lys									
				320										

<210> 58

<211> 356

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 1880692CD1

<400> 58

Met	Glu	Trp	Leu	Lys	Ser	Thr	Asp	Tyr	Gly	Lys	Tyr	Glu	Gly	Leu
1				5				10						15
Thr	Lys	Asn	Tyr	Met	Asp	Tyr	Leu	Ser	Arg	Leu	Tyr	Glu	Arg	Glu
				20				25						30
Ile	Lys	Asp	Phe	Phe	Glu	Val	Ala	Lys	Ile	Lys	Met	Thr	Gly	Thr
				35				40						45
Thr	Lys	Glu	Ser	Lys	Lys	Phe	Gly	Leu	His	Gly	Ser	Ser	Gly	Lys
				50				55						60
Leu	Thr	Gly	Ser	Thr	Ser	Ser	Leu	Asn	Lys	Leu	Ser	Val	Gln	Ser
				65				70						75
Ser	Gly	Asn	Arg	Arg	Ser	Gln	Ser	Ser	Ser	Leu	Leu	Asp	Met	Gly
				80				85						90
Asn	Met	Ser	Ala	Ser	Asp	Leu	Asp	Val	Ala	Asp	Arg	Thr	Lys	Phe

95	100	105
Asp Lys Ile Phe Glu Gln Val Leu Ser	Glu Leu Glu Pro Leu	Cys
110	115	120
Leu Ala Glu Gln Asp Phe Ile Ser Lys	Phe Phe Lys Leu Gln	Gln
125	130	135
His Gln Ser Met Pro Gly Thr Met Ala	Glu Ala Glu Asp Leu	Asp
140	145	150
Gly Gly Thr Leu Ser Arg Gln His Asn	Cys Gly Thr Pro Leu	Pro
155	160	165
Val Ser Ser Glu Lys Asp Met Ile Arg	Gln Met Met Ile Lys	Ile
170	175	180
Phe Arg Cys Ile Glu Pro Glu Leu Asn	Asn Leu Ile Ala Leu	Gly
185	190	195
Asp Lys Ile Asp Ser Phe Asn Ser Leu	Tyr Met Leu Val Lys	Met
200	205	210
Ser His His Val Trp Thr Ala Gln Asn	Val Asp Pro Ala Ser	Phe
215	220	225
Leu Ser Thr Thr Leu Gly Asn Val Leu	Val Thr Val Lys Arg	Asn
230	235	240
Phe Asp Lys Cys Ile Ser Asn Gln Ile	Arg Gln Met Glu Glu	Val
245	250	255
Lys Ile Ser Lys Lys Ser Lys Val Gly	Ile Leu Pro Phe Val	Ala
260	265	270
Glu Phe Glu Glu Phe Ala Gly Leu Ala	Glu Ser Ile Phe Lys	Asn
275	280	285
Ala Glu Arg Arg Gly Asp Leu Asp Lys	Ala Tyr Thr Lys Leu	Ile
290	295	300
Arg Gly Val Phe Val Asn Val Glu Lys	Val Ala Asn Glu Ser	Gln
305	310	315
Lys Thr Pro Arg Asp Val Val Met Met	Glu Asn Phe His His	Ile
320	325	330
Phe Ala Thr Leu Ser Arg Leu Lys Ile	Ser Cys Leu Glu Ala	Glu
335	340	345
Lys Lys Glu Ala Ala Ile Asn His Lys	Phe Phe	
350	355	

<210> 59

<211> 299

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 2280456CD1

<400> 59

Met Glu Glu Leu Leu Pro Asp Gly Gln	Ile Trp Ala Asn Met Asp		
1	5	10	15
Pro Glu Glu Arg Met Leu Ala Ala Ala	Thr Ala Phe Thr His Ile		
20	25	30	
Cys Ala Gly Gln Gly Glu Gly Asp Val Arg Arg	Glu Ala Gln Ser		
35	40	45	
Ile Gln Tyr Asp Pro Tyr Ser Lys Ala Ser Val	Ala Pro Gly Lys		
50	55	60	

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Arg	Pro	Ala	Leu	Pro	Val	Gln	Leu	Gln	Tyr	Pro	His	Val	Glu	Ser
65													75	
Asn	Val	Pro	Ser	Glu	Thr	Val	Ser	Glu	Ala	Ser	Gln	Arg	Leu	Arg
80													90	
Lys	Pro	Val	Met	Lys	Arg	Lys	Val	Leu	Arg	Arg	Lys	Pro	Asp	Gly
95													105	
Glu	Val	Leu	Val	Thr	Asp	Glu	Ser	Ile	Ile	Ser	Glu	Ser	Glu	Ser
110													120	
Gly	Thr	Glu	Asn	Asp	Gln	Asp	Leu	Trp	Asp	Leu	Arg	Gln	Arg	Leu
125													135	
Met	Asn	Val	Gln	Phe	Gln	Glu	Asp	Lys	Glu	Ser	Ser	Phe	Asp	Val
140													150	
Ser	Gln	Lys	Phe	Asn	Leu	Pro	His	Glu	Tyr	Gln	Gly	Ile	Ser	Gln
155													165	
Asp	Gln	Leu	Ile	Cys	Ser	Leu	Gln	Arg	Glu	Gly	Met	Gly	Ser	Pro
170													180	
Ala	Tyr	Glu	Gln	Asp	Leu	Ile	Val	Ala	Ser	Arg	Pro	Lys	Ser	Phe
185													195	
Ile	Leu	Pro	Lys	Leu	Asp	Gln	Leu	Ser	Arg	Asn	Arg	Gly	Lys	Thr
200													210	
Asp	Arg	Val	Ala	Arg	Tyr	Phe	Glu	Tyr	Lys	Arg	Asp	Trp	Asp	Ser
215													225	
Ile	Arg	Leu	Pro	Gly	Glu	Asp	His	Arg	Lys	Glu	Leu	Arg	Trp	Gly
230													240	
Val	Arg	Glu	Gln	Met	Leu	Cys	Arg	Ala	Glu	Pro	Gln	Ser	Lys	Pro
245													255	
Gln	His	Ile	Tyr	Val	Pro	Asn	Asn	Tyr	Leu	Val	Pro	Thr	Glu	Lys
260													270	
Lys	Arg	Ser	Ala	Leu	Arg	Trp	Gly	Val	Arg	Cys	Asp	Leu	Ala	Asn
275													285	
Gly	Val	Ile	Pro	Arg	Lys	Leu	Pro	Phe	Pro	Leu	Ser	Pro	Ser	
290													295	

<210> 60

<211> 293

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 2284580CD1

<400> 60

Met	Ala	Thr	Phe	Ser	Gly	Pro	Ala	Gly	Pro	Ile	Leu	Ser	Leu	Asn
1													15	
Pro	Gln	Glu	Asp	Val	Glu	Phe	Gln	Lys	Glu	Val	Ala	Gln	Val	Arg
20													30	
Lys	Arg	Ile	Thr	Gln	Arg	Lys	Lys	Gln	Glu	Gln	Leu	Thr	Pro	Gly
35													45	
Val	Val	Tyr	Val	Arg	His	Leu	Pro	Asn	Leu	Leu	Asp	Glu	Thr	Gln
50													60	
Ile	Phe	Ser	Tyr	Phe	Ser	Gln	Phe	Gly	Thr	Val	Thr	Arg	Phe	Arg
65													75	
Leu	Ser	Arg	Ser	Lys	Arg	Thr	Gly	Asn	Ser	Lys	Gly	Tyr	Ala	Phe

80	85	90
Val	Glu	
Glu	Phe	
Glu	Ser	
Glu	Asp	
Val	Ala	
Lys	Ile	
Val	Ala	
Glu	Thr	
		105
95	100	
Met	Asn	
Asn	Tyr	
Leu	Phe	
Gly	Glu	
Arg	Leu	
Leu	Glu	
Cys	His	
Phe		
110	115	120
Met	Pro	
Pro	Glu	
Lys	Val	
His	Lys	
Glu	Leu	
Phe	Lys	
Asp	Trp	
Asn		
125	130	135
Ile	Pro	
Phe	Lys	
Gln	Pro	
Ser	Tyr	
Pro	Ser	
Val	Lys	
Arg	Arg	
Tyr		
Leu	Thr	
Gln	Lys	
Leu	Arg	
Arg	Met	
Met	Glu	
Glu	Arg	
Arg	Phe	
155	160	165
Lys	Lys	
Lys	Glu	
Arg	Leu	
Leu	Arg	
Lys	Lys	
Lys	Leu	
Ala	Lys	
Gly		
170	175	180
Ile	Asp	
Tyr	Asp	
Phe	Pro	
Ser	Leu	
Ile	Leu	
Gln	Lys	
Lys	Thr	
Glu	Ser	
Ser		
185	190	195
Ile	Ser	
Lys	Thr	
Asn	Arg	
Gln	Thr	
Ser	Thr	
Thr	Lys	
Gly	Gln	
Val	Leu	
Leu	Asn	
Asp	Asp	
200	205	210
Arg	Lys	
Lys	Lys	
Lys	Val	
Ser	Gly	
Thr	Leu	
Asp	Asp	
215	220	225
Lys	Thr	
Thr	Val	
Asp	Ser	
Gln	Gly	
Pro	Thr	
Pro	Val	
Val	Cys	
Cys	Thr	
Pro	Thr	
230	235	240
Phe	Leu	
Glu	Arg	
Arg	Lys	
Lys	Ser	
Gln	Val	
Ala	Glu	
Leu	Asn	
Asp	Asp	
245	250	255
Asp	Lys	
Asp	Asp	
Glu	Ile	
Val	Phe	
Lys	Gln	
Pro	Ile	
Ile	Ser	
Ser	Cys	
Val		
260	265	270
Lys	Glu	
Glu	Ile	
Gln	Glu	
Thr	Gln	
Gln	Thr	
Pro	Thr	
Thr	His	
His	Ser	
Ser	Arg	
Arg	Lys	
275	280	285
Lys	Arg	
Arg	Arg	
Arg	Ser	
Ser	Ser	
Asn	Gln	
290		

<210> 61
 <211> 777
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte ID No: 2779172CD1

<400> 61
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 1 5 10 15
 Gln His Gly Phe Phe Gly His Asp Arg Arg Pro Ala Asp Gly
 20 25 30
 Glu Lys Gln Ala Ala Thr His Val Ser Leu Asp Gln Glu Tyr Asp
 35 40 45
 Ser Glu Ser Ser Gln Gln Trp Arg Glu Leu Glu Glu Gln Val Val
 50 55 60
 Ser Val Val Asn Lys Gly Val Ile Pro Ser Asn Phe His Pro Thr
 65 70 75
 Gln Tyr Cys Leu Asn Ser Tyr Ser Asp Asn Ser Arg Phe Pro Leu
 80 85 90
 Ala Val Val Glu Glu Pro Ile Thr Val Glu Val Ala Phe Arg Asn
 95 100 105

Pro	Leu	Lys	Val	Leu	Leu	Leu	Leu	Thr	Asp	Leu	Ser	Leu	Leu	Trp	
															120
				110						115					
Lys	Phe	His	Pro	Lys	Asp	Phe	Ser	Gly	Lys	Asp	Asn	Glu	Glu	Val	
															135
				125						130					
Lys	Gln	Leu	Val	Thr	Ser	Glu	Pro	Glu	Met	Ile	Gly	Ala	Glu	Val	
															150
				140						145					
Ile	Ser	Glu	Phe	Leu	Ile	Asn	Gly	Glu	Glu	Ser	Lys	Val	Ala	Arg	
															165
				155						160					
Leu	Lys	Leu	Phe	Pro	His	His	Ile	Gly	Glu	Leu	His	Ile	Leu	Gly	
															180
				170						175					
Val	Val	Tyr	Asn	Leu	Gly	Thr	Ile	Gln	Gly	Ser	Met	Thr	Val	Asp	
															195
				185						190					
Gly	Ile	Gly	Ala	Leu	Pro	Gly	Cys	His	Thr	Gly	Lys	Tyr	Ser	Leu	
															210
				200						205					
Ser	Met	Ser	Val	Arg	Gly	Lys	Gln	Asp	Leu	Glu	Ile	Gln	Gly	Pro	
															225
				215						220					
Arg	Leu	Asn	Asn	Thr	Lys	Glu	Glu	Lys	Thr	Ser	Val	Lys	Tyr	Gly	
															240
				230						235					
Pro	Asp	Arg	Arg	Leu	Asp	Pro	Ile	Ile	Thr	Glu	Glu	Met	Pro	Leu	
															255
				245						250					
Leu	Glu	Val	Phe	Phe	Ile	His	Phe	Pro	Thr	Gly	Leu	Leu	Cys	Gly	
															270
				260						265					
Glu	Ile	Arg	Lys	Ala	Tyr	Val	Glu	Phe	Val	Asn	Val	Ser	Lys	Cys	
															285
				275						280					
Pro	Leu	Thr	Gly	Leu	Lys	Val	Val	Ser	Lys	Arg	Pro	Glu	Phe	Phe	
															300
				290						295					
Thr	Phe	Gly	Gly	Asn	Thr	Ala	Val	Leu	Thr	Pro	Leu	Ser	Pro	Ser	
															315
				305						310					
Ala	Ser	Glu	Asn	Cys	Ser	Ala	Tyr	Lys	Thr	Val	Val	Thr	Asp	Ala	
															330
				320						325					
Thr	Ser	Val	Cys	Thr	Ala	Leu	Ile	Ser	Ser	Ala	Ser	Ser	Val	Asp	
															345
				335						340					
Phe	Gly	Ile	Gly	Thr	Gly	Ser	Gln	Pro	Glu	Val	Ile	Pro	Val	Pro	
															360
				350						355					
Leu	Pro	Asp	Thr	Val	Leu	Leu	Pro	Gly	Ala	Ser	Val	Gln	Leu	Pro	
															375
				365						370					
Met	Trp	Leu	Arg	Gly	Pro	Asp	Glu	Glu	Gly	Val	His	Glu	Ile	Asn	
															390
				380						385					
Phe	Leu	Phe	Tyr	Tyr	Glu	Ser	Val	Lys	Lys	Gln	Pro	Lys	Ile	Arg	
															405
				395						400					
His	Arg	Ile	Leu	Arg	His	Thr	Ala	Ile	Ile	Cys	Thr	Ser	Arg	Ser	
															420
				410						415					
Leu	Asn	Val	Arg	Ala	Thr	Val	Cys	Arg	Ser	Asn	Ser	Leu	Glu	Asn	
															435
				425						430					
Glu	Glu	Gly	Arg	Gly	Gly	Asn	Met	Leu	Val	Phe	Val	Asp	Val	Glu	
															450
				440						445					
Asn	Thr	Asn	Thr	Ser	Glu	Ala	Gly	Val	Lys	Glu	Phe	His	Ile	Val	
															465
				455						460					
Gln	Val	Ser	Ser	Ser	Ser	Lys	His	Trp	Lys	Leu	Gln	Lys	Ser	Val	
															480
				470						475					
Asn	Leu	Ser	Glu	Asn	Lys	Asp	Thr	Lys	Leu	Ala	Ser	Arg	Glu	Lys	
															495
				485						490					
Gly	Lys	Phe	Cys	Phe	Lys	Ala	Ile	Arg	Cys	Glu	Lys	Glu	Glu	Ala	
															510
				500						505					

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Ala	Thr	Gln	Ser	Ser	Glu	Lys	Tyr	Thr	Phe	Ala	Asp	Ile	Ile	Phe
515									520					525
Gly	Asn	Glu	Gln	Ile	Ile	Ser	Ser	Ala	Ser	Pro	Cys	Ala	Asp	Phe
530									535					540
Phe	Tyr	Arg	Ser	Leu	Ser	Ser	Glu	Leu	Lys	Lys	Pro	Gln	Ala	His
545									550					555
Leu	Pro	Val	His	Thr	Glu	Lys	Gln	Ser	Thr	Glu	Asp	Ala	Val	Arg
560									565					570
Leu	Ile	Gln	Lys	Cys	Ser	Glu	Val	Asp	Leu	Asn	Ile	Val	Ile	Leu
575									580					585
Trp	Lys	Ala	Tyr	Val	Val	Glu	Asp	Ser	Lys	Gln	Leu	Ile	Leu	Glu
590									595					600
Gly	Gln	His	His	Val	Ile	Leu	Arg	Thr	Ile	Gly	Lys	Glu	Ala	Phe
605									610					615
Ser	Tyr	Pro	Gln	Lys	Gln	Glu	Pro	Pro	Glu	Met	Glu	Leu	Leu	Lys
620									625					630
Phe	Phe	Arg	Pro	Glu	Asn	Ile	Thr	Val	Ser	Ser	Arg	Pro	Ser	Val
635									640					645
Glu	Gln	Leu	Ser	Ser	Leu	Ile	Lys	Thr	Ser	Leu	His	Tyr	Pro	Glu
650									655					660
Ser	Phe	Asn	His	Pro	Phe	His	Gln	Lys	Ser	Leu	Cys	Leu	Val	Pro
665									670					675
Val	Thr	Leu	Leu	Leu	Ser	Asn	Cys	Ser	Lys	Ala	Asp	Val	Asp	Val
680									685					690
Ile	Val	Asp	Leu	Arg	His	Lys	Thr	Thr	Ser	Pro	Glu	Ala	Leu	Glu
695									700					705
Ile	His	Gly	Ser	Phe	Thr	Trp	Leu	Gly	Gln	Thr	Gln	Tyr	Lys	Leu
710									715					720
Gln	Leu	Lys	Ser	Gln	Glu	Ile	His	Ser	Leu	Gln	Leu	Lys	Ala	Cys
725									730					735
Phe	Val	His	Thr	Gly	Val	Tyr	Asn	Leu	Gly	Thr	Pro	Arg	Val	Phe
740									745					750
Ala	Lys	Leu	Ser	Asp	Gln	Val	Thr	Val	Phe	Glu	Thr	Ser	Gln	Gln
755									760					765
Asn	Ser	Met	Pro	Ala	Leu	Ile	Ile	Ile	Ser	Asn	Val			
770									775					

<210> 62
<211> 97
<212> PRT
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 3279329CD1

<400> 62
Met Pro Pro Gly Thr Val Leu Arg Tyr Val Gln Cys Leu Phe Leu
1 5 10 15
Asp Leu Cys Ile Cys His Glu Ala Pro Cys Gly Leu Cys Met Lys
20 25 30
Leu Leu Leu Cys Phe Trp Val Asn Arg Cys Ala Cys Gln Leu Ala
35 40 45
Cys Val Leu Ser Lys Phe His Lys Leu Lys Val Phe Lys Gly Cys

50	55	60
Val Val Ser Glu Leu Tyr Val Ser Phe Leu Ser Leu Tyr Leu Gln		
65	70	75
Arg Val Arg Asn Glu Ile Tyr Thr Ser Lys Val Ser Leu Ile Asn		
80	85	90
Met Ala Phe Cys Phe Ser Met		
95		

<210> 63

<211> 308

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 3340290CD1

<400> 63

Met Ser Val Ser Gly Leu Lys Ala Glu Leu Lys Phe Leu Ala Ser		
1 5 10 15		
Ile Phe Asp Lys Asn His Glu Arg Phe Arg Ile Val Ser Trp Lys		
20 25 30		
Leu Asp Glu Leu His Cys Gln Phe Leu Val Pro Gln Gln Gly Ser		
35 40 45		
Pro His Ser Leu Pro Pro Leu Thr Leu His Cys Asn Ile Thr		
50 55 60		
Glu Ser Tyr Pro Ser Ser Pro Ile Trp Phe Val Asp Ser Glu		
65 70 75		
Asp Pro Asn Leu Thr Ser Val Leu Glu Arg Leu Glu Asp Thr Lys		
80 85 90		
Asn Asn Asn Leu Asn Gly Thr Thr Glu Glu Val Thr Ser Glu Glu		
95 100 105		
Glu Glu Glu Glu Glu Met Ala Glu Asp Ile Glu Asp Leu Asp		
110 115 120		
His Tyr Glu Met Lys Glu Glu Glu Pro Ile Ser Gly Lys Lys Ser		
125 130 135		
Glu Asp Glu Gly Ile Glu Lys Glu Asn Leu Ala Ile Leu Glu Lys		
140 145 150		
Ile Arg Lys Thr Gln Arg Gln Asp His Leu Asn Gly Ala Val Ser		
155 160 165		
Gly Ser Val Gln Ala Ser Asp Arg Leu Met Lys Glu Leu Arg Asp		
170 175 180		
Ile Tyr Arg Ser Gln Ser Tyr Lys Thr Gly Ile Tyr Ser Val Glu		
185 190 195		
Leu Ile Asn Asp Ser Leu Tyr Asp Trp His Val Lys Leu Gln Lys		
200 205 210		
Val Asp Pro Asp Ser Pro Leu His Ser Asp Leu Gln Ile Leu Lys		
215 220 225		
Glu Lys Glu Gly Ile Glu Tyr Ile Leu Leu Asn Phe Ser Phe Lys		
230 235 240		
Asp Asn Phe Pro Phe Asp Pro Pro Phe Val Arg Val Val Leu Pro		
245 250 255		
Val Leu Ser Gly Gly Tyr Val Leu Gly Gly Gly Ala Leu Cys Met		
260 265 270		

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Glu Leu Leu Thr Lys Gln Asn Gln Tyr Asn Leu Ala Arg Ala Gln
275 280 285
Gln Ser Tyr Asn Ser Ile Val Gln Ile His Glu Lys Asn Gly Trp
290 295 300
Tyr Thr Pro Pro Lys Glu Asp Gly
305

<210> 64

<211> 290

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 3376404CD1

<400> 64

Met Arg Arg Pro Ala Ala Val Pro Leu Leu Leu Leu Cys Phe
1 5 10 15
Gly Ser Gln Arg Ala Lys Ala Ala Thr Ala Cys Gly Arg Pro Arg
20 25 30
Met Leu Asn Arg Met Val Gly Gly Gln Asp Thr Gln Glu Gly Glu
35 40 45
Trp Pro Trp Gln Val Ser Ile Gln Arg Asn Gly Ser His Phe Cys
50 55 60
Gly Gly Ser Leu Ile Ala Glu Gln Trp Val Leu Thr Ala Ala His
65 70 75
Cys Phe Arg Asn Thr Ser Glu Thr Ser Leu Tyr Gln Val Leu Leu
80 85 90
Gly Ala Arg Gln Leu Val Gln Pro Gly Pro His Ala Met Tyr Ala
95 100 105
Arg Val Arg Gln Val Glu Ser Asn Pro Leu Tyr Gln Gly Thr Ala
110 115 120
Ser Ser Ala Asp Val Ala Leu Val Glu Leu Glu Ala Pro Val Pro
125 130 135
Phe Thr Asn Tyr Ile Leu Pro Val Cys Leu Pro Asp Pro Ser Val
140 145 150
Ile Phe Glu Thr Gly Met Asn Cys Trp Val Thr Gly Trp Gly Ser
155 160 165
Pro Ser Glu Glu Asp Leu Leu Pro Glu Pro Arg Ile Leu Gln Lys
170 175 180
Leu Ala Val Pro Ile Ile Asp Thr Pro Lys Cys Asn Leu Leu Tyr
185 190 195
Ser Lys Asp Thr Glu Phe Gly Tyr Gln Pro Lys Thr Ile Lys Asn
200 205 210
Asp Met Leu Cys Ala Gly Phe Glu Glu Gly Lys Lys Asp Ala Cys
215 220 225
Lys Gly Asp Ser Gly Gly Pro Leu Val Cys Leu Val Gly Gln Ser
230 235 240
Trp Leu Gln Ala Gly Val Ile Ser Trp Gly Glu Gly Cys Ala Arg
245 250 255
Gln Asn Arg Pro Gly Val Tyr Ile Arg Val Thr Ala His His Asn
260 265 270
Trp Ile His Arg Ile Ile Pro Lys Leu Gln Phe Gln Pro Ala Arg

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275	280	285
Leu	Gly	Gly
Gln	Lys	
290		

<210> 65
<211> 198
<212> PRT
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 4173111CD1

<400> 65
Met Glu Met Ser Gly Leu Ser Phe Ser Glu Met Glu Gly Cys Arg
1 5 10 15
Asn Leu Leu Gly Leu Leu Asp Asn Asp Glu Ile Met Ala Leu Cys
20 25 30
Asp Thr Val Thr Asn Arg Leu Val Gln Pro Gln Asp Arg Gln Asp
35 40 45
Ala Val His Ala Ile Leu Ala Tyr Ser Gln Ser Ala Glu Glu Leu
50 55 60
Leu Arg Arg Arg Lys Val His Arg Glu Val Ile Phe Lys Tyr Leu
65 70 75
Ala Thr Gln Gly Ile Val Ile Pro Pro Ala Thr Glu Lys His Asn
80 85 90
Leu Ile Gln His Ala Lys Asp Tyr Trp Gln Lys Gln Pro Gln Leu
95 100 105
Lys Leu Lys Glu Thr Pro Glu Pro Val Thr Lys Thr Glu Asp Ile
110 115 120
His Leu Phe Gln Gln Gln Val Lys Glu Asp Lys Lys Ala Glu Lys
125 130 135
Val Asp Phe Arg Arg Leu Gly Glu Glu Phe Cys His Trp Phe Phe
140 145 150
Gly Leu Leu Asn Ser Gln Asn Pro Phe Leu Gly Pro Pro Gln Asp
155 160 165
Glu Trp Gly Pro Gln His Phe Trp His Asp Val Lys Leu Arg Phe
170 175 180
Tyr Tyr Asn Thr Ser Glu Gln Asn Val Met Gly Leu Thr Met Glu
185 190 195
Pro Glu Ser

<210> 66
<211> 789
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 001106CB1

<400> 66
atataatacgt atataccctt cttgcccttg aaggccggaa gtcggcttta cagataaaag 60

cgaaaacagga agtcccggcc ctctatggaa agtaaatggt agctcggaaag ggtcaaaaaga 120
gtccgcgggtt tcgcccgcgtg agttgctttt tgccggctgggg gaggtctacg cttctagagc 180
ttgagccagc ggggcgaccg tgcaagtggca ggactcggca ccgcgcctc caccgcgggt 240
tggtgccctg cgtgacagtt tcctcccgctc gacatcgaaa ggaagccggg cgtggggccggg 300
cagagagctt catcgcgatg ggaatggcag ccccatctat gaaggaaaga caggtctgct 360
ggggggcccg ggatgagttac tggaagtgtt tagatgagaa ctttagaggat gcttctcaat 420
gcaagaagtt aagaagctct ttcgaatcaa gttgtcccca acagtggata aatatatttg 480
ataaaaagaag agactactta aaattcaaaag aaaaatttga agcaggacaa tttagggccctt 540-
cagaaaacaac tgcaaaaatcc taggctgttc ataaaagattg aaagtattct ttctggacat 600
tggaaaaagct ccactgacta tggaacagta atagtttggaa tcatagtgaa catcaactact 660
tgttccctat atacgacact tgataattaa gatgatcaag aaccagaaga tctgtgaaga 720
aatgaaataa aatggtattt agtaagaaaat ctctattttt agaaaaaaaaag taaaacctgt 780
tataaacaac 789

<210> 67
<211> 1117
<212> DNA
<213> *Homo sapiens*

<220>
<221> misc_feature
<223> Incyte ID No: 004586CB1

<220>
<221> unsure
<222> 1022-1024, 1028, 1034, 1036, 1038-1039, 1041, 1049, 1052-1053, 1055,
1062, 1064, 1072, 1075, 1083, 1086-1087, 1093, 1100-1101
<223> a, t, c, g, or other

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<400> 67
gccagagcgc ttcggccttc ccgacctctc cccggagccc cgggcctccc cggctgttcc 60
cctgagtctt tccctctctc gccagagccc gagcgcggccct cggagaccct cggctttccc 120
cgtccgcgtct cccggaggca ggcggggct ataggacgaa gttatacgga agcgtctcc 180
cattgtatgg aatgggtgtg gagatgatcg gagaattaat ctgctagtga agagtttcat 240
taaatgggtc aactctgggt cccaggaaga gggatatagc cagtaccaac gtatgctgag 300
cacgctgtct caatgtgaat tttcaatggg caaaacttta ctatgtatatg atatgaatct 360
cagagaaatg gaaaattatg aaaaaattta caagggaaata gaatgttagca tagctggagc 420
acatgaaaaaa attgctgagt gcaaaaaagca aattcttcaa gcaaaacgaa tacgaaaaaa 480
tcgccaagaa tatgtatgtt tggcaaaagt gattcagcac catccagaca ggcatgagac 540
attaaaggaa cttagggctc tggggaaaaga attagagcat ctttcacacaca taaaagaaaag 600
tgttgaagat aagctggaat tgagacggaa acagttcat gttcttctta gtaccatcca 660
tgaacttcag caaacattgg aaaaatgtga aaaactctca gaggttagaag aagctcgaga 720
agcaagcatg gaaacagatc ctaagccata gacaggctaa ttgcccacca ctcccaggaa 780
tattgaaata gctacatgac cataatgtgt taaaaatgtg gtatgttctt gagatattta 840
aagtttggc agtaaaatac tctgtttta agtatgaatg tatttcattc atatttcctc 900
tcacaaagga aaatgacttc agtatacgatt tgtttttatt aaaaatgcatt ttttatttctt 960
aagtggtagg aagcaacatc caaaaatgct taataaaaatg cttaaagct gaaaaaaaaa 1020
annnaaanga gcantnannng ntgggggcnc cnntngtaaa ananaaaggg gnggnccccc 1080
qngtnanntq aancccatcn nccccccggga tttattt 1117

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<210> 68
<211> 1628
<212> DNA
<213> Homo sapiens
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<220>
<221> misc_feature
<223> Incyte ID No: 052927CB1

<220>
<221> unsure
<222> 1460-1464, 1475, 1502, 1510, 1535, 1550, 1554, 1562, 1577, 1594-1595,
1599, 1601-1602, 1605, 1611, 1622, 1627
<223> a, t, c, g, or other

<400> 68

ggcggcggcg acgactgcag ctcgggaggt agcggcctgg cgagggacgg gccggctgcc 60
ctctcggaacg gccgcggcgg agggcaaaaaa tggcggaggc ttcggcggcc ggggcggact 120
cgggcgcggc tgtagccgcc caccggttt tctgccactt ttgcaagggc gaggtcagcc 180
ccaaactacc ggaatatata tgtcccagat gtgaatcagg ctttattgaa gaagtgacag 240
atgattccag ttttttaggt ggtggcggca gtcggataga caataccaca acaacacatt 300
ttgcagagct ttggggccat ttggatcaca cgatgtttt tcaagattt agacccttc 360
taagtagcag tccactggac caagataata gagccaatga aaggggtcac cagactcaca 420
ctgacttctg gggagcaaga cctccacggc tgccattggg tcggagatac agatctcgag 480
gaagttctcg tcctgacaga tctccagcta ttgaaggaat actacaacac atctttgcag 540
gattcttgc aaattctgcc attcctggat ctccacaccc ttttccctgg agcgggatgc 600
tgcaactccaa ccctggggac tatgcctggg gtcagacagg gcttgatgcc attgttaacc 660
agcttttagg acaactggaa aacacaggcc ctcccccagc tgacaaggaa aagatcacat 720
ctcttccaac agtgacagta actcaggaac aagttgatata gggtttagag tgtccagtt 780
gcaaagaaga ttacacagtt gaagaggaag tccggcagtt accttgcata cacttcttc 840
acagcagttt tattgtgccg tggctagaac tgcatgacac atgtcctgtt tgtaggaaga 900
gcttaaatgg tgaggactct actcgccaaa gccagagcac tgaggccctc gcaagcaaca 960
gatttagcaa tgacagtcag ctacatgacc gatggacttt ctgaagctaa agaccacacc 1020
tgaatcaggg ctgtggtaat catcttacca tagctgtaaa ttgtatcaaa aaaaaaaaaatt 1080
agtagatgga tttaggaata tgtaagaaac tcaacacata atataaatgc aatgaatgtt 1140
tttcttctt aaatttaaag ttagtatcta cagatggaat tgtatctaca accaaatgcc 1200
tcttacccctt gaattcagag tgataatttt ataagtgtga aacttaatta tgtagggctc 1260
cccccgctcg aatagaatta attccttaaa gtcttagtt ggtcctgctg tctgtcatgt 1320
tgccctgttaa cggatgtttc cacctccttc tccaacctct accccaccat tagtgtattt 1380
tactataaaa acagtggAAC cacagcccta aagtccgtct gatataaaatg cctttgtct 1440
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anttcaggtt tctaagacta atgattttt tttgnttga tccccagagn gcanatcaaa 1560
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<210> 69
<211> 1706
<212> DNA
<213> Homo sapiens

<220>
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<223> Incyte ID No: 082843CB1

<400> 69

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 <211> 1864
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 <213> Homo sapiens

<220>
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 <223> Incyte ID No: 322349CB1

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<210> 71
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 <213> Homo sapiens

<220>
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 <223> Incyte ID No: 397663CB1

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<211> 3685

<212> DNA

<213> *Homo sapiens*

<220>

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<223> Incyte ID No: 673766CB1

<400> 72

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<210> 73
 <211> 1801
 <212> DNA
 <213> Homo sapiens

<220>
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 <223> Incyte ID No: 1504753CB1

<220>
 <221> unsure
 <222> 12, 15, 17, 1675, 1687, 1702, 1709, 1712, 1715, 1717, 1722,
 1732-1733, 1737, 1747, 1752-1754, 1757, 1759, 1764, 1769, 1787
 <223> a, t, c, g, or other

<400> 73
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 <213> Homo sapiens

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 <211> 1624
 <212> DNA
 <213> Homo sapiens

<220>
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 <223> Incyte ID No: 1805061CB1

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<210> 76

<211> 1675

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 1850120CB1

<400> 76

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<210> 77

<211> 1319

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 1852290CB1

<220>

<221> unsure

<222> 1106, 1112, 1137, 1164-1165, 1168, 1171, 1173, 1181, 1187, 1190-1191,
1194, 1201-1202, 1215, 1248-1249, 1258-1259, 1297-1298, 1309-1311

<223> a, t, c, g, or other

<400> 77

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<210> 78

<211> 1113

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 1944530CB1

<220>

<221> unsure

<222> 1057

<223> a, t, c, g, or other

<400> 78

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acacagggaaa atccatTTTcccactctt tattttgct attctgatca ttgtcccccc 960
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<210> 79

<211> 1963

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 2019742CB1

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<210> 80

<211> 1089

<212> DNA

<213> Homo sapiens

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<220>
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<223> Incyte ID No: 2056042CB1

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aaaaaaaaaa 1089

<210> 81
<211> 1325
<212> DNA
<213> Homo sapiens

<220>
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<223> Incyte ID No: 2398682CB1

<220>
<221> unsure
<222> 1280, 1283-1285, 1288-1291, 1294-1295, 1298-1300, 1306, 1310,
1312-1314, 1317, 1319-1320, 1322
<223> a, t, c, g, or other

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<210> 82
 <211> 1579
 <212> DNA
 <213> Homo sapiens

<220>
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 <223> Incyte ID No: 2518753CB1

<220>
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 <222> 1346-1347, 1351, 1356, 1362, 1368, 1374, 1381-1382, 1394-1395, 1399,
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 <223> a, t, c, g, or other

<400> 82

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<210> 83
<211> 2641
<212> DNA
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<220>
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<223> Incyte ID No: 619699CB1

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PF-0509 USN

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<211> 608

<212> DNA

<213> Homo sapiens

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<221> misc_feature

<223> Incyte ID No: 2661254CB1

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<210> 103

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<213> Homo sapiens

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<223> Incyte ID No: 2674047CB1

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<221> unsure

<222> 4-5, 9, 23, 37, 43, 74, 118, 252

<223> a, t, c, g, or other

<400> 103

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taATCACCCG tgAGATTGAT gtGGCAAAAA atCAGTCCTT ttGGTTCATC aACAAAAAAAT 240
ctACAACCCA gNAATAGTG gaAGAGAAAG ttGCAGCCTT aaATATTCAA gtGGGGAAATC 300
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<211> 1945

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 2762174CB1

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<210> 105

<211> 1829

<212> DNA

<213> Homo sapiens

PF-0509 USN

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<223> Incyte ID No: 2765991CB1

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<211> 1353
<212> DNA
<213> Homo sapiens

<220>
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<223> Incyte ID No: 2775157CB1

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 <211> 3641
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 <213> Homo sapiens

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<400> 108

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<213> Homo sapiens

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<222> 1925, 2088, 2092, 2114-2117

<223> a, t, c, g, or other

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 <213> Homo sapiens

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 <223> Incyte ID No: 156986CB1

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<212> DNA
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<211> 714

<212> DNA

<213> Homo sapiens

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<223> Incyte ID No: 635581CB1

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<221> unsure

<222> 531

<223> a, t, c, g, or other

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<212> DNA

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<211> 1010

<212> DNA

<213> Homo sapiens

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<223> Incyte ID No: 1427838CB1

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<213> Homo sapiens

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<211> 1772

<212> DNA

<213> Homo sapiens

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<221> misc_feature

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<211> 2260

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<213> Homo sapiens

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<211> 1635

<212> DNA

<213> Homo sapiens

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<223> Incyte ID No: 2284580CB1

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<213> Homo sapiens

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PF-0509 USN

<213> Homo sapiens

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<210> 128

<211> 1426

<212> DNA

<213> Homo sapiens

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<223> Incyte ID No: 3340290CB1

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<222> 65, 69, 72, 87, 1365
<223> a, t, c, g, or other

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